



The Lowest Vf Rectifier in the World

SCHOTTKY

SCHOTTKY BRIDGE

RECTIFIER DIODE

BRIDGE RECTIFIER

SWITCHING DIODE

ZENER DIODE

TRANSISTOR

TVS

ZOWIE

2013



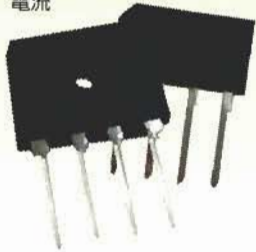
智威科技股份有限公司
ZOWIE Technology Corporation
www.zowie.com.tw

全方位高效率 電源解決方案

節省15%功耗 操作溫度提升17%

智威以創新技術致力於環保節能的企業責任，製程中不但能減少95%封裝廢料，還可節省65%的電力損耗

**超低功耗 (Low Vf)
橋式整流器 GBU/GBL封裝**
-大電流能力 (4A~10A)
-超低壓降
-全球最高可靠度/最低逆向
電流



**獨創ZPAK™超薄高熱導封裝
Z1PAK/Z2PAK/Z3PAK/
Z4PAK**
-高散熱，薄型
-超大電流能力 (0.5~30A)
-超低壓降



**全新節能1A (安培) SMD封裝
迷你橋式整流器 (Mini Bridge)**
-薄型 (typ. 1.2mm)
-高效節能 (Low Vf)
-最高品質 (Tj=175°C)
-最高性價比解決方案
封裝型式：
MBCR—與傳統ABS封裝相容
MBC—與傳統MBS封裝相容
Lux-Bridge™—創新型
最小封裝

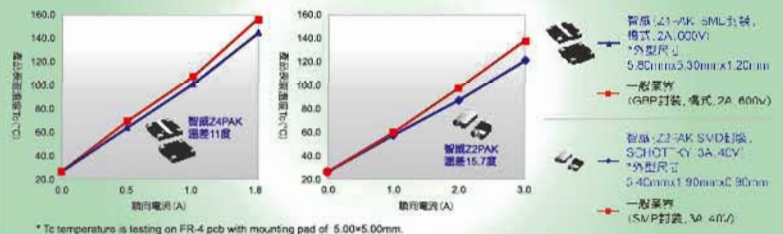


**領先全球薄型封裝
片型二極體**
0402/0603/0805/1206/
2010(SMA)/2114(SMB)/
3220(SMC)
-內含蕭特基或整流器晶粒
-良好焊接及導電特性
-絕佳熱傳導能力
-優良電流負載能力
-累計全球出貨超過30億顆
-100% pin to pin



應用產品	應用區域	應用二極體
平板電腦充電器 手機充電器	輸入整流	橋式整流器
	緩衝器	Snubber Diode
伺服器電源 LCD顯示器電源 液晶電視電源	PWM控制	Auxiliary Diode
	輸出整流	蕭特基二極體

智威二極體應用在電源內的產品表面溫度相較一般業界擁有絕佳優勢!!
~散熱、降低功率損耗和優化佈局方面的有效解決方案~



Low Vf Bridge

Mini Bridge

High Thermal Performance Schottky Rectifier

Schottky

Schottky Bridge

Rectifier Diode

Bridge Rectifier

Switching

Zener

Transistor

TVS

INTRODUCTION



ZOWIE Technology Corporation founded in 1994 is a leading designer and manufacturer of advanced discrete semiconductor products. The inaugurators, Ding-Hua Hu and George Tai are the well-known leaders in the semiconductor field in Taiwan. Since there is no new significant progress in diode products for more than 20 years they decided to endeavor their efforts to this industry with innovation and futurity. So they established ZOWIE Technology Corporation to develop new technology in order to supply better and new diodes for the industrial. The leaders, George Tai who has about thirty years experience in the rectifier engineering field and Harrison Chung who is expert on I.C. package technology and fine ceramic materials, lead a team of professional researchers to improve the traditional diodes. It is ZOWIE's goal to develop "the New Generation Diodes". ZOWIE's technological experts put 4 years efforts in researching and developing the new products. Finally, ZOWIE succeed. The new product-GPRC (Glass Passivated Rectifier Chip) successfully went through the first tryout in 1995 and then it officially marketed in 1998. At the same time, the new package technology-SCD (SuperChip Diode), the very first chip package diode of the world, was available in Q2, 2001.

All the products of ZOWIE are the world's first leading technology through its own newly constructive design, manufacturing and superior materials. Up to now, ZOWIE has received numerous worldwide patents, including Taiwan, the U.S.A., Mainland China, the U.K. and Japan.



Taiwan Operation



China Operation

ISO 9001 / ISO 14001 / ISO 14064 / TS 16949 / SONY GP Certificate



ISO9001 : 2008-2002



ISO14001 : 2004-2003



TS16949 : 2002-2008(Kunshan)



ISO14064-1-2012



SONY GP-2012(FC012899/962)

CONTENTS

SCHOTTKY

HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS (ZPAK™)

0.5A Schottky Barrier Rectifiers	Page 01
1A Schottky Barrier Rectifiers	Page 01
2A Schottky Barrier Rectifiers	Page 01
3A Schottky Barrier Rectifiers	Page 02
5A Schottky Barrier Rectifiers	Page 02
8A Schottky Barrier Rectifiers	Page 03
10A Schottky Barrier Rectifiers	Page 03
12A Schottky Barrier Rectifiers	Page 04
15A Schottky Barrier Rectifiers	Page 04
20A Schottky Barrier Rectifiers	Page 04
30A Schottky Barrier Rectifiers	Page 04

SCHOTTKY BARRIER RECTIFIERS (SMD by SuperChip™)

0.1A Schottky Barrier Rectifiers	Page 06
0.2A Schottky Barrier Rectifiers	Page 06
0.3A Schottky Barrier Rectifiers	Page 07
0.5A Schottky Barrier Rectifiers	Page 07
1A Schottky Barrier Rectifiers	Page 08
2A Schottky Barrier Rectifiers	Page 10
3A Schottky Barrier Rectifiers	Page 11
5A Schottky Barrier Rectifiers	Page 13
8A Schottky Barrier Rectifiers	Page 13

SCHOTTKY BARRIER RECTIFIERS (Axial / SMD)

1A Schottky Barrier Rectifiers	Page 14
2A Schottky Barrier Rectifiers	Page 14
3A Schottky Barrier Rectifiers	Page 15
5A Schottky Barrier Rectifiers	Page 16
8A Schottky Barrier Rectifiers	Page 17

SCHOTTKY BARRIER RECTIFIERS (TO-220 / ITO-220)

10A Schottky Barrier Rectifiers	Page 19
20A Schottky Barrier Rectifiers	Page 19
30A Schottky Barrier Rectifiers	Page 20

RECTIFIERS

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

1A General Purpose Rectifiers	Page 21
2A General Purpose Rectifiers	Page 24
3A General Purpose Rectifiers	Page 26
10A General Purpose Rectifiers	Page 28

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

1A Fast Recovery Rectifiers	Page 29
2A Fast Recovery Rectifiers	Page 31
3A Fast Recovery Rectifiers	Page 32

CONTENTS

RECTIFIERS

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

1A High Efficiency Rectifiers.....	Page 34
2A High Efficiency Rectifiers.....	Page 35
3A High Efficiency Rectifiers.....	Page 36
5A High Efficiency Rectifiers.....	Page 37
10A High Efficiency Rectifiers.....	Page 38
12A High Efficiency Rectifiers.....	Page 38
16A High Efficiency Rectifiers.....	Page 38
20A High Efficiency Rectifiers.....	Page 39

SINTERED GLASS PASSIVATED JUNCTION ULTRA FAST RECTIFIERS

0.8A Ultra Fast Rectifiers	Page 40
1A Ultra Fast Rectifiers	Page 40
2A Ultra Fast Rectifiers	Page 41
3A Ultra Fast Rectifiers	Page 42
4A Ultra Fast Rectifiers	Page 43
5A Ultra Fast Rectifiers	Page 43
6A Ultra Fast Rectifiers	Page 44
8A Ultra Fast Rectifiers	Page 44
10A Ultra Fast Rectifiers	Page 44
16A Ultra Fast Rectifiers	Page 45
20A Ultra Fast Rectifiers	Page 45

SINTERED GLASS PASSIVATED JUNCTION HYPER FAST RECTIFIERS

8A Hyper Fast Rectifiers	Page 46
--------------------------------	---------

BRIDGE

ULTRA MINI BRIDGE RECTIFIERS (LUX-Bridge™)

0.8A Ultra Mini Bridge Rectifiers	Page 47
---	---------

MINI BRIDGE RECTIFIERS (SuperChip™)

0.8A Mini Bridge Rectifiers	Page 47
1.0A Mini Bridge Rectifiers	Page 47

HIGH THERMAL PERFORMANCE BRIDGE RECTIFIERS (ZPAK™)

2A Bridge Rectifiers	Page 05
4A Bridge Rectifiers	Page 05

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

1A Bridge Rectifiers	Page 48
1.5A Bridge Rectifiers	Page 48
2A Bridge Rectifiers	Page 49
4A Bridge Rectifiers	Page 50
6A Bridge Rectifiers	Page 52
8A Bridge Rectifiers	Page 53
10A Bridge Rectifiers	Page 54
15A Bridge Rectifiers	Page 55
20A Bridge Rectifiers	Page 55
25A Bridge Rectifiers	Page 55
35A Bridge Rectifiers	Page 56

CONTENTS

SCHOTTKY BRIDGE

SCHOTTKY BRIDGE RECTIFIERS (SuperChip™)

1A Schottky Bridge Rectifiers	Page 18
2A Schottky Bridge Rectifiers	Page 18

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS)

200W Transient Voltage Suppressors	Page 57
400W Transient Voltage Suppressors	Page 58
600W Transient Voltage Suppressors	Page 61
1500W Transient Voltage Suppressors	Page 63

ZENER

ZENER DIODES

200mW Zener Diodes	Page 65
300mW Zener Diodes	Page 67
350mW Zener Diodes	Page 69
500mW Zener Diodes	Page 72
1000mW Zener Diodes	Page 76

SMALL SIGNAL

SMALL SIGNAL SCHOTTKY BARRIER DIODES

0.2A Schottky Barrier Rectifiers	Page 77
0.5A Schottky Barrier Rectifiers	Page 77
1A Schottky Barrier Rectifiers	Page 77

SWITCHING DIODES

0.1A Switching Diodes	Page 78
0.125A Switching Diodes	Page 78
0.15A Switching Diodes	Page 78
0.2A Switching Diodes	Page 78
0.215A Switching Diodes	Page 79

TRANSISTORS	Page 80
-------------------	---------

TAPING AND PACKAGING	Page 81
----------------------------	---------

CASE DRAWINGS	Page 88
---------------------	---------

PAD LAYOUTS	Page 95
-------------------	---------

NUMERICAL INDEX

1.5KE100A	64	1.5KE56A	64	1N5239B	75	AUSSCD054H	08	BRGC30KH	32
1.5KE100CA	64	1.5KE56CA	64	1N5240B	75	AUSSCD102H	09	BRGC30MH	32
1.5KE10A	64	1.5KE6.8A	64	1N5241B	75	AUSSCD104H	09	BSCD210H	11
1.5KE10CA	64	1.5KE6.8CA	64	1N5242B	75	AUSSCD106H	09	BSCD22H	11
1.5KE110A	64	1.5KE600A	64	1N5243B	75	AUSSCD110H	09	BSCD24H	11
1.5KE110CA	64	1.5KE600CA	64	1N5244B	75	AUSSCD202H	11	BSCD26H	11
1.5KE11A	64	1.5KE62A	64	1N5245B	75	AUSSCD204H	11	BSCD310H	13
1.5KE11CA	64	1.5KE62CA	64	1N5246B	75	AUSSCD206H	11	BSCD32H	13
1.5KE120A	64	1.5KE68A	64	1N5247B	75	AUSSCD210H	11	BSCD34H	13
1.5KE120CA	64	1.5KE68CA	64	1N5248B	75	AUUSGC10JH	40	BSCD36H	13
1.5KE12A	64	1.5KE7.5A	64	1N5249B	75	AUUSCD012H	06	BSCD510H	13
1.5KE12CA	64	1.5KE7.5CA	64	1N5250B	75	AUUSCD014H	06	BSCD54DH	13
1.5KE130A	64	1.5KE75A	64	1N5251B	75	AUUSCD022H	06	BSCD54H	13
1.5KE130CA	64	1.5KE75CA	64	1N5252B	75	AUUSCD024H	06	BSCD56H	13
1.5KE13A	64	1.5KE8.2A	64	1N5253B	75	AUUSCD032H	07	BSCD84H	13
1.5KE13CA	64	1.5KE8.2CA	64	1N5254B	75	AUUSCD034H	07	BUGC20DH	41
1.5KE150A	64	1.5KE82A	64	1N5255B	75	AUUSCD054H	07	BUGC20GH	41
1.5KE150CA	64	1.5KE82CA	64	1N5256B	75	BAS16GH	79	BUGC20JH	41
1.5KE15A	64	1.5KE9.1A	64	1N5257B	75	BAS16HT1GH	79	BUGC20KH	41
1.5KE15CA	64	1.5KE9.1CA	64	1N5258B	75	BAS21GH	79	BUGC30DH	42
1.5KE160A	64	1.5KE91A	64	1N5259B	75	BAS21HT1GH	79	BUGC30GH	42
1.5KE160CA	64	1.5KE91CA	64	1N5260B	75	BAT54AWGH	77	BUGC30JH	42
1.5KE16A	64	1N4148GH	78	1N5261B	75	BAT54CWGH	77	BUGC30KH	42
1.5KE16CA	64	1N4148WGH	78	1N5817	14	BAT54HT1GH	77	BYD127ZH	40
1.5KE170A	64	1N4148WSGH	78	1N5817H	14	BAT54RAGH	77	BYD147ZH	40
1.5KE170CA	64	1N4148WTGH	78	1N5818	14	BAT54RCGH	77	BYD167ZH	40
1.5KE180A	64	1N4728A	76	1N5818H	14	BAT54RGH	77	BYD172DH	21
1.5KE180CA	64	1N4729A	76	1N5819	14	BAT54RSGH	77	BYD172DLH	21
1.5KE18A	64	1N4730A	76	1N5819H	14	BAT54SWGH	77	BYD172GH	21
1.5KE18CA	64	1N4731A	76	1N5820	16	BAT54WGH	77	BYD172GLH	21
1.5KE200A	64	1N4732A	76	1N5820H	16	BAV70GH	79	BYD172JH	21
1.5KE200CA	64	1N4733A	76	1N5821	16	BAV70WGH	79	BYD172JLH	21
1.5KE20A	64	1N4734A	76	1N5821H	16	BAV99GH	79	BYD172KH	21
1.5KE20CA	64	1N4735A	76	1N5822	16	BAV99WGH	79	BYD172KLH	21
1.5KE220A	64	1N4736A	76	1N5822H	16	BAW56GH	79	BYD172MLH	21
1.5KE220CA	64	1N4737A	76	1SS355GH	78	BAW56WGH	79	BYD17ZMLH	21
1.5KE22A	64	1N4738A	76	1SS400GH	78	BEGC20DH	36	BYD187ZH	40
1.5KE22CA	64	1N4739A	76	AUBYD167ZH	40	BEGC20GH	36	BYD37ZDH	29
1.5KE24A	64	1N4740A	76	AUBYD17ZDH	21	BEGC20JH	36	BYD37ZGH	29
1.5KE24CA	64	1N4741A	76	AUBYD17ZDLH	21	BEGC20KH	36	BYD37ZJH	29
1.5KE250A	64	1N4742A	76	AUBYD17ZGH	21	BEGC20MH	36	BYD37ZKH	29
1.5KE250CA	64	1N4743A	76	AUBYD17ZGLH	21	BEGC30DH	36	BYD37ZMH	29
1.5KE27A	64	1N4744A	76	AUBYD17ZJH	21	BEGC30GH	36	BYD57ZDH	34
1.5KE27CA	64	1N4745A	76	AUBYD17ZJLH	21	BEGC30JH	36	BYD57ZGH	34
1.5KE300A	64	1N4746A	76	AUBYD17ZKH	21	BEGC30KH	36	BYD57ZJH	34
1.5KE300CA	64	1N4747A	76	AUBYD17ZKLH	21	BEGC30MH	36	BYD57ZKH	34
1.5KE30A	64	1N4748A	76	AUBYD17ZMLH	21	BGC20DH	25	BYD57ZMH	34
1.5KE30CA	64	1N4749A	76	AUBYD17ZMLH	21	BGC20DLH	25	BYD77ZDH	40
1.5KE33A	64	1N4750A	76	AUMSCD012H	06	BGC20GH	25	BYD77ZGH	40
1.5KE33CA	64	1N4751A	76	AUMSCD014H	06	BGC20GLH	25	BZT52C10	74
1.5KE350A	64	1N4752A	76	AUMSCD052H	07	BGC20JH	25	BZT52C11	74
1.5KE350CA	64	1N4753A	76	AUMSCD053H	07	BGC20JLH	25	BZT52C12	74
1.5KE36A	64	1N4754A	76	AUMSCD054H	07	BGC20KLH	25	BZT52C13	74
1.5KE36CA	64	1N4755A	76	AUMSCD102H	08	BGC20KJH	25	BZT52C15	74
1.5KE380A	64	1N4756A	76	AUMSCD104H	08	BGC20MLH	25	BZT52C16	74
1.5KE380CA	64	1N4757A	76	AUMSCD106H	08	BGC20MLH	25	BZT52C18	74
1.5KE39A	64	1N4758A	76	AUMSCD202H	10	BGC30DH	26	BZT52C20	74
1.5KE39CA	64	1N4759A	76	AUMSCD204H	10	BGC30DLH	26	BZT52C22	74
1.5KE400A	64	1N5223B	75	AUMSCD202H	12	BGC30GH	26	BZT52C24	74
1.5KE400CA	64	1N5224B	75	AUMSCD304H	12	BGC30GLH	26	BZT52C27	74
1.5KE43A	64	1N5225B	75	AUMSCD306H	12	BGC30JH	26	BZT52C2V4	74
1.5KE43CA	64	1N5226B	75	AUSCD110H	10	BGC30JLH	26	BZT52C2V7	74
1.5KE440A	64	1N5227B	75	AUSCD12H	10	BGC30KH	26	BZT52C30	74
1.5KE440CA	64	1N5228B	75	AUSCD14H	10	BGC30KLH	26	BZT52C33	74
1.5KE47A	64	1N5229B	75	AUSCD16H	10	BGC30MH	26	BZT52C36	74
1.5KE47CA	64	1N5230B	75	AUSCD210H	11	BGC30MLH	26	BZT52C39	74
1.5KE500A	64	1N5231B	75	AUSCD22H	11	BRGC20DH	31	BZT52C3V0	74
1.5KE500CA	64	1N5232B	75	AUSCD24H	11	BRGC20GH	31	BZT52C3V3	74
1.5KE51A	64	1N5233B	75	AUSCD26H	11	BRGC20JH	31	BZT52C3V6	74
1.5KE51CA	64	1N5234B	75	AUSCD310H	12	BRGC20KH	31	BZT52C3V9	74
1.5KE520A	64	1N5235B	75	AUSCD32H	12	BRGC20MH	31	BZT52C4V3	74
1.5KE520CA	64	1N5236B	75	AUSCD34H	12	BRGC30DH	32	BZT52C4V7	74
1.5KE550A	64	1N5237B	75	AUSCD36H	12	BRGC30GH	32	BZT52C5V1	74
1.5KE550CA	64	1N5238B	75	AUSSCD052H	08	BRGC30JH	32	BZT52C5V6	74

NUMERICAL INDEX

BZT52C6V2	74	BZX84C5V1H	69	DF1510H	49	EGP30DH	37	GBJ15K	55
BZT52C6V8	74	BZX84C5V6CAH	70	DF1510S	49	EGP30G	37	GBJ15KH	55
BZT52C7V5	74	BZX84C5V6CCH	71	DF1510SH	49	EGP30GH	37	GBJ15M	55
BZT52C8V2	74	BZX84C5V6H	69	EG110D	34	EGP30J	37	GBJ15MH	55
BZT52C9V1	74	BZX84C6V2CAH	70	EG110DH	34	EGP30JH	37	GBJ20D	55
BZX84C10CAH	70	BZX84C6V2CCH	71	EG110G	34	EGP30K	37	GBJ20DH	55
BZX84C10CCH	71	BZX84C6V2H	69	EG110GH	34	EGP30KH	37	GBJ20G	55
BZX84C10H	69	BZX84C6V8CAH	70	EG110J	34	EGP30M	37	GBJ20GH	55
BZX84C11CAH	70	BZX84C6V8CCH	71	EG110JH	34	EGP30MH	37	GBJ20J	55
BZX84C11CCH	71	BZX84C6V8H	69	EG110K	34	EGP50D	37	GBJ20JH	55
BZX84C11H	69	BZX84C7V5CAH	70	EG110KH	34	EGP50DH	37	GBJ20K	55
BZX84C12CAH	70	BZX84C7V5CCH	71	EG110M	34	EGP50G	37	GBJ20KH	55
BZX84C12CCH	71	BZX84C7V5H	69	EG110MH	34	EGP50GH	37	GBJ20M	55
BZX84C12H	69	BZX84C8V2CAH	70	EGC10DH	34	EGZ10DCT	38	GBJ20MH	55
BZX84C13CAH	70	BZX84C8V2CCH	71	EGC10GH	34	EGZ10DCTH	38	GBJ25D	55
BZX84C13CCH	71	BZX84C8V2H	69	EGC10HJ	34	EGZ10GCT	38	GBJ25DH	56
BZX84C13H	69	BZX84C9V1CAH	70	EGC10KH	34	EGZ10GCTH	38	GBJ25G	55
BZX84C15CAH	70	BZX84C9V1CCH	71	EGC10MH	34	EGZ10JCT	38	GBJ25GH	56
BZX84C15CCH	71	BZX84C9V1H	69	EGC20DH	35	EGZ10JCTH	38	GBJ25J	55
BZX84C15H	69	CGC30DH	27	EGC20GH	35	EGZ12DCT	38	GBJ25JH	56
BZX84C16CAH	70	CGC30DLH	27	EGC20JH	35	EGZ12DCTH	38	GBJ25JLB	56
BZX84C16CCH	71	CGC30GH	27	EGC20KH	35	EGZ12GCT	38	GBJ25K	55
BZX84C16H	69	CGC30GLH	27	EGC20MH	35	EGZ12GCTH	38	GBJ25KH	56
BZX84C18CAH	70	CGC30JH	27	EGF10D	35	EGZ12JCT	38	GBJ25M	55
BZX84C18CCH	71	CGC30JLH	27	EGF10DH	35	EGZ12JCTH	38	GBJ25MH	56
BZX84C18H	69	CGC30KH	27	EGF10G	35	EGZ16DCT	38	GBJ8D	53
BZX84C20CAH	70	CGC30KLH	27	EGF10GH	35	EGZ16DCTH	38	GBJ8DH	53
BZX84C20CCH	71	CGC30MH	27	EGF10J	35	EGZ16GCT	38	GBJ8G	53
BZX84C20H	69	CGC30MLH	27	EGF10JH	35	EGZ16GCTH	38	GBJ8GH	53
BZX84C22CAH	70	CSCD310H	13	EGF10K	35	EGZ16JCT	38	GBJ8J	53
BZX84C22CCH	71	CSCD32H	13	EGF10KH	35	EGZ16JCTH	38	GBJ8JH	53
BZX84C22H	69	CSCD34H	13	EGF10M	35	EGZ20DCT	39	GBJ8K	53
BZX84C24CAH	70	CSCD36H	13	EGF10MH	35	EGZ20DCTH	39	GBJ8KH	53
BZX84C24CCH	71	CSCD510H	13	EGF20D	36	EGZ20GCT	39	GBJ8M	53
BZX84C24H	69	CSCD52H	13	EGF20DH	36	EGZ20GCTH	39	GBJ8MH	53
BZX84C27CAH	70	CSCD54H	13	EGF20G	36	EGZ20JCT	39	GBL02	50
BZX84C27CCH	71	CSCD56H	13	EGF20GH	36	EGZ20JCTH	39	GBL02H	50
BZX84C27H	69	DF02	48	EGF20J	36	G110D	22	GBL02LS	51
BZX84C30CAH	70	DF02H	48	EGF20JH	36	G110DH	22	GBL02S	51
BZX84C30CCH	71	DF02S	48	EGF20K	36	G110DL	22	GBL04	50
BZX84C30H	69	DF02SH	48	EGF20KH	36	G110DLH	22	GBL04H	50
BZX84C33CAH	70	DF04	48	EGF20M	36	G110G	22	GBL04LS	51
BZX84C33CCH	71	DF04H	48	EGF20MH	36	G110GH	22	GBL04S	51
BZX84C33H	69	DF04S	48	EGF30D	37	G110GL	22	GBL06	50
BZX84C36CAH	70	DF04SH	48	EGF30DH	37	G110GLH	22	GBL06H	50
BZX84C36CCH	71	DF06	48	EGF30G	37	G110J	22	GBL06LS	51
BZX84C36H	69	DF06H	48	EGF30GH	37	G110JH	22	GBL06S	51
BZX84C39CAH	70	DF06S	48	EGF30J	37	G110JHJ	22	GBL08	50
BZX84C39CCH	71	DF06SH	48	EGF30JH	37	G110JLH	22	GBL08H	50
BZX84C39H	69	DF08	48	EGF30K	37	G110K	22	GBL08LS	51
BZX84C3V0H	69	DF08H	48	EGF30KH	37	G110KH	22	GBL08S	51
BZX84C3V3CAH	70	DF08S	48	EGF30M	37	G110KL	22	GBL10	50
BZX84C3V3CCH	71	DF08SH	48	EGF30MH	37	G110KLB	22	GBL10H	50
BZX84C3V3H	69	DF10	48	EGP10D	35	G110M	22	GBL10LS	51
BZX84C3V6CAH	70	DF10H	48	EGP10DH	35	G110MH	22	GBL10S	51
BZX84C3V6CCH	71	DF10S	48	EGP10G	35	G110ML	22	GBP202	49
BZX84C3V6H	69	DF10SH	48	EGP10GH	35	G110MLH	22	GBP202H	49
BZX84C3V9CAH	70	DF1502	48	EGP10J	35	GBJ10D	54	GBP204	49
BZX84C3V9CCH	71	DF1502H	49	EGP10JH	35	GBJ10DH	54	GBP204H	49
BZX84C3V9H	69	DF1502S	49	EGP10K	35	GBJ10G	54	GBP206	49
BZX84C43CAH	70	DF1502SH	49	EGP10KH	35	GBJ10GH	54	GBP206H	49
BZX84C43CCH	71	DF1504	48	EGP10M	35	GBJ10J	54	GBP208	49
BZX84C43H	69	DF1504H	49	EGP10MH	35	GBJ10JH	54	GBP208H	49
BZX84C47CAH	70	DF1504S	49	EGP20D	36	GBJ10K	54	GBP210	49
BZX84C47CCH	71	DF1504SH	49	EGP20DH	36	GBJ10KH	54	GBP210H	49
BZX84C47H	69	DF1506	48	EGP20G	36	GBJ10M	54	GBPC2502	56
BZX84C4V3CAH	70	DF1506H	49	EGP20GH	36	GBJ10MH	54	GBPC2504	56
BZX84C4V3CCH	71	DF1506S	49	EGP20J	36	GBJ15D	55	GBPC2506	56
BZX84C4V3H	69	DF1506SH	49	EGP20JH	36	GBJ15DH	55	GBPC2508	56
BZX84C4V7CAH	70	DF1508	48	EGP20K	36	GBJ15G	55	GBPC2510	56
BZX84C4V7CCH	71	DF1508H	49	EGP20KH	36	GBJ15GH	55	GBPC3502	56
BZX84C4V7H	69	DF1508S	49	EGP20M	36	GBJ15J	55	GBPC3504	56
BZX84C5V1CAH	70	DF1508SH	49	EGP20MH	36	GBJ15JH	55	GBPC3506	56
BZX84C5V1CCH	71	DF1510	48	EGP30D	37	GBJ15JLB	55	GBPC3508	56

NUMERICAL INDEX

GBPC3510	56	GBU808C	53	GF30DH	28	GP30GH	27	MBR30150CTSH	20
GBU1002	54	GBU808H	53	GF30DL	28	GP30GL	27	MBR30200CFSH	20
GBU1002C	54	GBU808LC	53	GF30DLH	28	GP30GLH	27	MBR30200CTSH	20
GBU1002H	54	GBU810	53	GF30G	28	GP30J	27	MM122B7H	73
GBU1002LC	54	GBU810C	53	GF30GH	28	GP30JH	27	MM12380H	73
GBU1004	54	GBU810H	53	GF30GL	28	GP30JL	27	MM123B3H	73
GBU1004C	54	GBU810LC	53	GF30GLH	28	GP30JLH	27	MM123B6H	73
GBU1004H	54	GC10DH	22	GF30J	28	GP30K	27	MM123B9H	73
GBU1004LC	54	GC10DLH	22	GF30JH	28	GP30KH	27	MM124B3H	73
GBU1006	54	GC10GH	22	GF30JL	28	GP30KL	27	MM124B7H	73
GBU1006C	54	GC10GLH	22	GF30JLH	28	GP30KLH	27	MM125221BH	72
GBU1006H	54	GC10JH	22	GF30K	28	GP30M	27	MM125223BH	72
GBU1006LC	54	GC10JLH	22	GF30KH	28	GP30MH	27	MM125225BH	72
GBU1008	54	GC10KH	22	GF30KL	28	GP30ML	27	MM125226BH	72
GBU1008C	54	GC10KHLH	22	GF30KHLH	28	GP30MLH	27	MM125227BH	72
GBU1008H	54	GC10MH	22	GF30M	28	KBJ4D	50	MM125228BH	72
GBU1008LC	54	GC10MLH	22	GF30MH	28	KBJ4DH	50	MM125229BH	72
GBU1010	54	GC20DH	24	GF30ML	28	KBJ4G	50	MM125230BH	72
GBU1010C	54	GC20DLH	24	GF30MLH	28	KBJ4GH	50	MM125231BH	72
GBU1010H	54	GC20GH	24	GP02-20	23	KBJ4J	50	MM125232BH	72
GBU1010LC	54	GC20GLH	24	GP02-20H	23	KBJ4JH	50	MM125234BH	72
GBU402	51	GC20JH	24	GP100G	28	KBJ4K	50	MM125235BH	72
GBU402C	51	GC20JLH	24	GP100GC	28	KBJ4KH	50	MM125236BH	72
GBU402H	51	GC20KH	24	GP10D	23	KBJ4M	50	MM125237BH	72
GBU402LC	51	GC20KHLH	24	GP10DH	23	KBJ4MH	50	MM125239BH	72
GBU404	51	GC20MH	24	GP10DL	23	KBJ6D	52	MM125240BH	72
GBU404C	51	GC20MLH	24	GP10DLH	23	KBJ6DH	52	MM125241BH	72
GBU404H	51	GF02-20	23	GP10G	23	KBJ6G	52	MM125242BH	72
GBU404LC	51	GF02-20H	24	GP10GH	23	KBJ6GH	52	MM125243BH	72
GBU406	51	GF10D	23	GP10GL	23	KBJ6J	52	MM125245BH	72
GBU406C	51	GF10DH	24	GP10GLH	23	KBJ6JH	52	MM125246BH	72
GBU406H	51	GF10DL	24	GP10J	23	KBJ6K	52	MM125248BH	72
GBU406LC	51	GF10DLH	24	GP10JH	23	KBJ6KH	52	MM125249BH	72
GBU408	51	GF10G	23	GP10JL	23	KBJ6M	52	MM125250BH	72
GBU408C	51	GF10GH	24	GP10JLH	23	KBJ6MH	52	MM125251BH	72
GBU408H	51	GF10GL	24	GP10K	23	KBL02	50	MM125252BH	72
GBU408LC	51	GF10GLH	24	GP10KH	23	KBL02H	50	MM125253BH	72
GBU410	51	GF10J	23	GP10KL	23	KBL04	50	MM125254BH	72
GBU410C	51	GF10JH	24	GP10KHLH	23	KBL04H	50	MM125256BH	72
GBU410H	51	GF10JL	24	GP10M	23	KBL06	50	MM125257BH	72
GBU410LC	51	GF10JLH	24	GP10MH	23	KBL06H	50	MM125258BH	72
GBU602	52	GF10K	23	GP10ML	23	KBL08	50	MM125259BH	72
GBU602C	52	GF10KH	24	GP10MLH	23	KBL08H	50	MM125260BH	72
GBU602H	52	GF10KL	24	GP10Q	23	KBL10	50	MM125261BH	72
GBU602LC	52	GF10KHLH	24	GP10QH	23	KBL10H	50	MM125262BH	72
GBU604	52	GF10M	23	GP10V	23	LL4148GH	79	MM125263BH	72
GBU604C	52	GF10MH	24	GP10VH	23	LX08M	47	MM125265BH	72
GBU604H	52	GF10ML	24	GP10Y	23	MBC08JH	47	MM125266BH	72
GBU604LC	52	GF10MLH	24	GP10YH	23	MBC08KH	47	MM125267BH	72
GBU606	52	GF10Q	23	GP20D	25	MBC08MH	47	MM125B1H	73
GBU606C	52	GF10QH	24	GP20DH	25	MBC10JH	47	MM125B6H	73
GBU606H	52	GF10Y	23	GP20DL	25	MBC10KH	47	MM126B2H	73
GBU606LC	52	GF10YH	24	GP20DLH	25	MBC10MH	47	MM126B8H	73
GBU608	52	GF20D	26	GP20G	25	MBCR10JH	47	MM127B5H	73
GBU608C	52	GF20DH	26	GP20GH	25	MBCR10JLH	47	MM128B2H	73
GBU608H	52	GF20DL	26	GP20GL	25	MBCR10KH	47	MM129B1H	73
GBU608LC	52	GF20DLH	26	GP20GLH	25	MBCR10KLH	47	MM12B10H	73
GBU610	52	GF20G	26	GP20J	25	MBCR10MH	47	MM12B11H	73
GBU610C	52	GF20GH	26	GP20JH	25	MBCR10MLH	47	MM12B12H	73
GBU610H	52	GF20GL	26	GP20JL	25	MBR10100CFSH	19	MM12B13H	73
GBU610LC	52	GF20GLH	26	GP20JLH	25	MBR10100CTSH	19	MM12B15H	73
GBU802	53	GF20J	26	GP20K	25	MBR10150CFSH	19	MM12B16H	73
GBU802C	53	GF20JH	26	GP20KH	25	MBR10150CTSH	19	MM12B18H	73
GBU802H	53	GF20JL	26	GP20KL	25	MBR10200CFSH	19	MM12B20H	73
GBU802LC	53	GF20JLH	26	GP20KHLH	25	MBR10200CTSH	19	MM12B22H	73
GBU804	53	GF20K	26	GP20M	25	MBR20100CFSH	19	MM12B24H	73
GBU804C	53	GF20KH	26	GP20MH	25	MBR20100CTSH	19	MM12B27H	73
GBU804H	53	GF20KL	26	GP20ML	25	MBR20150CFSH	19	MM12B30H	73
GBU804LC	53	GF20KLH	26	GP20MLH	25	MBR20150CTSH	19	MM12B33H	73
GBU806	53	GF20M	26	GP30D	27	MBR20200CFSH	19	MM12B36H	73
GBU806C	53	GF20MH	26	GP30DH	27	MBR20200CTSH	19	MM12B39H	73
GBU806H	53	GF20ML	26	GP30DL	27	MBR30100CFSH	20	MM12B43H	73
GBU806LC	53	GF20MLH	26	GP30DLH	27	MBR30100CTSH	20	MM12B47H	73
GBU808	53	GF30D	28	GP30G	27	MBR30150CFSH	20	MM12B51H	73

NUMERICAL INDEX

MM1ZB56H	73	MM3ZB47H	68	MMBD2838GH	78	P4KE20A	60	P6KE12A	62
MM1ZB62H	73	MM5Z10H	65	MMBD7000GH	79	P4KE20CA	60	P6KE12CA	62
MM1ZB68H	73	MM5Z11H	65	MMBD914GH	79	P4KE220A	60	P6KE130A	62
MM1ZB75H	73	MM5Z12H	65	MMBT2222AGH	80	P4KE220CA	60	P6KE130CA	62
MM3Z2B4H	68	MM5Z13H	65	MMBT2907AGH	80	P4KE22A	60	P6KE13A	62
MM3Z2B7H	68	MM5Z15H	65	MMBT3904GH	80	P4KE22CA	60	P6KE13CA	62
MM3Z3B0H	68	MM5Z16H	65	MMBT3904WGH	80	P4KE24A	60	P6KE150A	62
MM3Z3B3H	68	MM5Z18H	65	MMBT3906GH	80	P4KE24CA	60	P6KE150CA	62
MM3Z3B6H	68	MM5Z20H	65	MMBT3906WGH	80	P4KE250A	60	P6KE15A	62
MM3Z3B9H	68	MM5Z22H	65	MMBT4401GH	80	P4KE250CA	60	P6KE15CA	62
MM3Z4B3H	68	MM5Z24H	65	MMBT4403GH	80	P4KE27A	60	P6KE160A	62
MM3Z4B7H	68	MM5Z27H	65	MMBT5401GH	80	P4KE27CA	60	P6KE160CA	62
MM3Z5221BH	67	MM5Z28B4H	66	MMBT5551GH	80	P4KE300A	60	P6KE16A	62
MM3Z5223BH	67	MM5Z28B7H	66	MMDL914T1GH	79	P4KE300CA	60	P6KE16CA	62
MM3Z5225BH	67	MM5Z2V0H	65	MSCD012H	06	P4KE30A	60	P6KE170A	62
MM3Z5226BH	67	MM5Z2V2H	65	MSCD014H	06	P4KE30CA	60	P6KE170CA	62
MM3Z5227BH	67	MM5Z2V4H	65	MSCD014RH	06	P4KE33A	60	P6KE180A	62
MM3Z5228BH	67	MM5Z2V7H	65	MSCD022H	07	P4KE33CA	60	P6KE180CA	62
MM3Z5229BH	67	MM5Z30H	65	MSCD024H	07	P4KE350A	60	P6KE18A	62
MM3Z5230BH	67	MM5Z33H	65	MSCD032H	07	P4KE350CA	60	P6KE18CA	62
MM3Z5231BH	67	MM5Z36H	65	MSCD034H	07	P4KE36A	60	P6KE200A	62
MM3Z5232BH	67	MM5Z39H	65	MSCD036H	07	P4KE36CA	60	P6KE200CA	62
MM3Z5234BH	67	MM5Z3B0H	66	MSCD052H	07	P4KE380A	60	P6KE20A	62
MM3Z5235BH	67	MM5Z3B3H	66	MSCD053H	07	P4KE380CA	60	P6KE20CA	62
MM3Z5236BH	67	MM5Z3B6H	66	MSCD053RH	07	P4KE39A	60	P6KE220A	62
MM3Z5237BH	67	MM5Z3B9H	66	MSCD054H	07	P4KE39CA	60	P6KE220CA	62
MM3Z5239BH	67	MM5Z3V0H	65	MSCD102H	08	P4KE400A	60	P6KE22A	62
MM3Z5240BH	67	MM5Z3V3H	65	MSCD102LH	08	P4KE400CA	60	P6KE22CA	62
MM3Z5241BH	67	MM5Z3V6H	65	MSCD104H	08	P4KE43A	60	P6KE24A	62
MM3Z5242BH	67	MM5Z3V9H	65	MSCD104LH	08	P4KE43CA	60	P6KE24CA	62
MM3Z5243BH	67	MM5Z43H	65	MSCD104RH	08	P4KE440A	60	P6KE250A	62
MM3Z5245BH	67	MM5Z47H	65	MSCD106H	08	P4KE440CA	60	P6KE250CA	62
MM3Z5246BH	67	MM5Z4B3H	66	MSCD106RH	08	P4KE47A	60	P6KE27A	62
MM3Z5248BH	67	MM5Z4B7H	66	MSCD202H	10	P4KE47CA	60	P6KE27CA	62
MM3Z5249BH	67	MM5Z4V3H	65	MSCD204H	10	P4KE500A	60	P6KE300A	62
MM3Z5250BH	67	MM5Z4V7H	65	MSCD302H	11	P4KE500CA	60	P6KE300CA	62
MM3Z5251BH	67	MM5Z51H	65	MSCD304H	11	P4KE51A	60	P6KE30A	62
MM3Z5252BH	67	MM5Z56H	65	MSCD306H	11	P4KE51CA	60	P6KE30CA	62
MM3Z5253BH	67	MM5Z5B1H	66	MUR420	43	P4KE520A	60	P6KE33A	62
MM3Z5254BH	67	MM5Z5B6H	66	MUR420H	43	P4KE520CA	60	P6KE33CA	62
MM3Z5256BH	67	MM5Z5V1H	65	MUR460	43	P4KE550A	60	P6KE350A	62
MM3Z5257BH	67	MM5Z5V6H	65	MUR460H	43	P4KE550CA	60	P6KE350CA	62
MM3Z5258BH	67	MM5Z62H	65	P4KE100A	60	P4KE56A	60	P6KE36A	62
MM3Z5259BH	67	MM5Z68H	65	P4KE100CA	60	P4KE56CA	60	P6KE36CA	62
MM3Z5260BH	67	MM5Z6B2H	66	P4KE100A	60	P4KE6.8A	60	P6KE380A	62
MM3Z5261BH	67	MM5Z6B8H	66	P4KE10CA	60	P4KE6.8CA	60	P6KE380CA	62
MM3Z5262BH	67	MM5Z6V2H	65	P4KE110A	60	P4KE600A	60	P6KE39A	62
MM3Z5263BH	67	MM5Z6V8H	65	P4KE110CA	60	P4KE600CA	60	P6KE39CA	62
MM3Z5265BH	67	MM5Z75H	65	P4KE11A	60	P4KE62A	60	P6KE400A	62
MM3Z5266BH	67	MM5Z7B5H	66	P4KE11CA	60	P4KE62CA	60	P6KE400CA	62
MM3Z5267BH	67	MM5Z7V5H	65	P4KE120A	60	P4KE68A	60	P6KE43A	62
MM3Z5B1H	68	MM5Z8B2H	66	P4KE120CA	60	P4KE68CA	60	P6KE43CA	62
MM3Z5B6H	68	MM5Z8V2H	65	P4KE12A	60	P4KE7.5A	60	P6KE440A	62
MM3Z6B2H	68	MM5Z9B1H	66	P4KE12CA	60	P4KE7.5CA	60	P6KE440CA	62
MM3Z6B8H	68	MM5Z9V1H	65	P4KE130A	60	P4KE75A	60	P6KE47A	62
MM3Z7B5H	68	MM5ZB10H	66	P4KE130CA	60	P4KE75CA	60	P6KE47CA	62
MM3Z8B2H	68	MM5ZB11H	66	P4KE13A	60	P4KE8.2A	60	P6KE500A	62
MM3Z9B1H	68	MM5ZB12H	66	P4KE13CA	60	P4KE8.2CA	60	P6KE500CA	62
MM3ZB10H	68	MM5ZB13H	66	P4KE150A	60	P4KE82A	60	P6KE51A	62
MM3ZB11H	68	MM5ZB15H	66	P4KE150CA	60	P4KE82CA	60	P6KE51CA	62
MM3ZB12H	68	MM5ZB16H	66	P4KE15A	60	P4KE9.1A	60	P6KE520A	62
MM3ZB13H	68	MM5ZB18H	66	P4KE15CA	60	P4KE9.1CA	60	P6KE520CA	62
MM3ZB15H	68	MM5ZB20H	66	P4KE160A	60	P4KE91A	60	P6KE550A	62
MM3ZB16H	68	MM5ZB22H	66	P4KE160CA	60	P4KE91CA	60	P6KE550CA	62
MM3ZB18H	68	MM5ZB24H	66	P4KE16A	60	P6KE100A	62	P6KE56A	62
MM3ZB20H	68	MM5ZB27H	66	P4KE16CA	60	P6KE100CA	62	P6KE56CA	62
MM3ZB22H	68	MM5ZB30H	66	P4KE170A	60	P6KE10A	62	P6KE6.8A	62
MM3ZB24H	68	MM5ZB33H	66	P4KE170CA	60	P6KE10CA	62	P6KE6.8CA	62
MM3ZB27H	68	MM5ZB36H	66	P4KE180A	60	P6KE110A	62	P6KE600A	62
MM3ZB30H	68	MM5ZB39H	66	P4KE180CA	60	P6KE110CA	62	P6KE600CA	62
MM3ZB33H	68	MM5ZB43H	66	P4KE18A	60	P6KE11A	62	P6KE62A	62
MM3ZB36H	68	MM5ZB47H	66	P4KE18CA	60	P6KE11CA	62	P6KE62CA	62
MM3ZB39H	68	MMBD2836GH	78	P4KE200A	60	P6KE120A	62	P6KE68A	62
MM3ZB43H	68	MMBD2837GH	78	P4KE200CA	60	P6KE120CA	62	P6KE68CA	62

NUMERICAL INDEX

P6KE7.5A	62	RGF30JAH	33	SB2100	15	SCD16H	09	SMAJ16CA	59
P6KE7.5CA	62	RGF30JH	33	SB2100H	15	SCD16LH	10	SMAJ170A	59
P6KE75A	62	RGF30K	33	SB220	15	SCD210H	11	SMAJ170CA	59
P6KE75CA	62	RGF30KA	33	SB220H	15	SCD215H	11	SMAJ17A	59
P6KE8.2A	62	RGF30KAH	33	SB240	15	SCD220H	11	SMAJ17CA	59
P6KE8.2CA	62	RGF30KH	33	SB240H	15	SCD22H	11	SMAJ180A	59
P6KE82A	62	RGF30M	33	SB260	15	SCD22LH	11	SMAJ180CA	59
P6KE82CA	62	RGF30MA	33	SB260H	15	SCD24DH	11	SMAJ18A	59
P6KE9.1A	62	RGF30MAH	33	SB3100	16	SCD24H	11	SMAJ18CA	59
P6KE9.1CA	62	RGF30MH	33	SB3100H	16	SCD24LH	11	SMAJ190A	59
P6KE91A	62	RGP02-12	30	SB320	16	SCD26H	11	SMAJ190CA	59
P6KE91CA	62	RGP02-12H	30	SB320H	16	SCD310H	12	SMAJ19A	59
RB411DGH	77	RGP02-15	30	SB340	16	SCD315H	12	SMAJ19CA	59
RB491DGH	77	RGP02-15H	30	SB340H	16	SCD320H	12	SMAJ200A	59
RB520G-30GH	06	RGP02-18	30	SB360	16	SCD32H	12	SMAJ200CA	59
RB521G-30GH	06	RGP02-18H	30	SB360H	16	SCD32LH	12	SMAJ20A	59
RG110D	29	RGP02-20	30	SB5100	17	SCD33PH	12	SMAJ20CA	59
RG110DH	29	RGP02-20H	30	SB5100H	17	SCD345H	12	SMAJ220A	59
RG110G	29	RGP10D	30	SB520	17	SCD34DH	12	SMAJ220CA	59
RG110GH	29	RGP10DH	30	SB520H	17	SCD34H	12	SMAJ22A	59
RG110J	29	RGP10G	30	SB540	17	SCD34LH	12	SMAJ22CA	59
RG110JH	29	RGP10GH	30	SB540H	17	SCD34MH	12	SMAJ24A	59
RG110K	29	RGP10J	30	SB560	17	SCD36H	12	SMAJ24CA	59
RG110KH	29	RGP10JA	30	SB560H	17	SCD36RH	12	SMAJ250A	59
RG110M	29	RGP10JAH	30	SB840	17	SCD53H	13	SMAJ250CA	59
RG110MH	29	RGP10JH	30	SB840H	17	SCD545H	13	SMAJ26A	59
RGC10DH	29	RGP10K	30	SB860	17	SCD54H	13	SMAJ26CA	59
RGC10GH	29	RGP10KA	30	SB860H	17	SCD5817H	09	SMAJ28A	59
RGC10JH	29	RGP10KAH	30	SBL1040CFSH	19	SCD5818H	09	SMAJ28CA	59
RGC10KH	29	RGP10KH	30	SBL1040CTSH	19	SCD5819H	09	SMAJ300A	59
RGC10MH	29	RGP10M	30	SBL1045CFSH	19	SEGC10DH	34	SMAJ300CA	59
RGC20DH	31	RGP10MA	30	SBL1045CTSH	19	SEGC10GH	34	SMAJ30A	59
RGC20GH	31	RGP10MAH	30	SBL1060CFSH	19	SEGC10JH	34	SMAJ30CA	59
RGC20JH	31	RGP10MH	30	SBL1060CTSH	19	SEGC10KH	34	SMAJ33A	59
RGC20KH	31	RGP20D	31	SBL2040CFSH	19	SEGC10MH	34	SMAJ33CA	59
RGC20MH	31	RGP20DH	31	SBL2040CTSH	19	SGC10DH	21	SMAJ350A	59
RGF10D	30	RGP20G	31	SBL2045CFSH	19	SGC10DLH	21	SMAJ350CA	59
RGF10DH	31	RGP20GH	31	SBL2045CTSH	19	SGC10GH	21	SMAJ36A	59
RGF10G	30	RGP20J	31	SBL2060CFSH	19	SGC10GLH	21	SMAJ36CA	59
RGF10GH	31	RGP20JA	31	SBL2060CTSH	19	SGC10JH	21	SMAJ400A	59
RGF10J	30	RGP20JAH	31	SBL3040CFSH	20	SGC10JLH	21	SMAJ400CA	59
RGF10JA	30	RGP20JH	31	SBL3040CTSH	20	SGC10KH	21	SMAJ40A	59
RGF10JAH	31	RGP20K	31	SBL3045CFSH	20	SGC10KLH	21	SMAJ40CA	59
RGF10JH	31	RGP20KA	31	SBL3045CTSH	20	SGC10MH	21	SMAJ43A	59
RGF10K	30	RGP20KAH	31	SBL3060CFSH	20	SGC10MLH	21	SMAJ43CA	59
RGF10KA	30	RGP20KH	31	SBL3060CTSH	20	SGZ8JT	46	SMAJ440A	59
RGF10KAH	31	RGP20M	31	SC310	15	SGZ8JTH	46	SMAJ440CA	59
RGF10KH	31	RGP20MA	31	SC310H	15	SMAJ100A	59	SMAJ45A	59
RGF10M	30	RGP20MAH	31	SC32	15	SMAJ100CA	59	SMAJ45CA	59
RGF10MA	30	RGP20MH	31	SC32H	15	SMAJ10A	59	SMAJ48A	59
RGF10MAH	31	RGP30D	32	SC34	15	SMAJ10CA	59	SMAJ48CA	59
RGF10MH	31	RGP30DH	32	SC34H	15	SMAJ110A	59	SMAJ5.0A	59
RGF20D	32	RGP30G	32	SC36	15	SMAJ110CA	59	SMAJ5.0CA	59
RGF20DH	32	RGP30GH	32	SC36H	15	SMAJ11A	59	SMAJ5.0CA	59
RGF20G	32	RGP30J	32	SC510	16	SMAJ11CA	59	SMAJ51CA	59
RGF20GH	32	RGP30JA	32	SC510H	16	SMAJ120A	59	SMAJ54A	59
RGF20J	32	RGP30JAH	32	SC52	16	SMAJ120CA	59	SMAJ54CA	59
RGF20JA	32	RGP30JH	32	SC52H	16	SMAJ12A	59	SMAJ58A	59
RGF20JAH	32	RGP30K	32	SC54	16	SMAJ12CA	59	SMAJ58CA	59
RGF20JH	32	RGP30KA	32	SC54H	16	SMAJ130A	59	SMAJ6.0A	59
RGF20K	32	RGP30KAH	32	SC56	16	SMAJ130CA	59	SMAJ6.0CA	59
RGF20KA	32	RGP30KH	32	SC56H	16	SMAJ13A	59	SMAJ6.5A	59
RGF20KAH	32	RGP30M	32	SCD110H	09	SMAJ13CA	59	SMAJ6.5CA	59
RGF20KH	32	RGP30MA	32	SCD110H	09	SMAJ140A	59	SMAJ60A	59
RGF20M	32	RGP30MAH	32	SCD115H	09	SMAJ140CA	59	SMAJ60CA	59
RGF20MA	32	RGP30MH	32	SCD120H	09	SMAJ14A	59	SMAJ64A	59
RGF20MAH	32	SB1100	14	SCD12H	10	SMAJ14CA	59	SMAJ64CA	59
RGF20MH	32	SB1100H	14	SCD12H	10	SMAJ150A	59	SMAJ7.0A	59
RGF30D	33	SB120	14	SCD12LH	10	SMAJ150CA	59	SMAJ7.0CA	59
RGF30DH	33	SB120H	14	SCD14H	10	SMAJ15A	59	SMAJ7.5A	59
RGF30G	33	SB140	14	SCD14H	09	SMAJ15CA	59	SMAJ7.5CA	59
RGF30GH	33	SB140H	14	SCD14LH	10	SMAJ160A	59	SMAJ70A	59
RGF30J	33	SB160	14	SCD14RH	09	SMAJ160CA	59	SMAJ70CA	59
RGF30JA	33	SB160H	14	SCD16H	10	SMAJ16A	59	SMAJ75A	59

NUMERICAL INDEX

SMAJ75CA	59	SMBJ250CA	61	SMCJ120CA	63	SMCJ54CA	63	SSCD104LH	09
SMAJ78A	59	SMBJ26A	61	SMCJ12A	63	SMCJ58A	63	SSCD104LSH	09
SMAJ78CA	59	SMBJ26CA	61	SMCJ12CA	63	SMCJ58CA	63	SSCD104RH	09
SMAJ8.0A	59	SMBJ28A	61	SMCJ130A	63	SMCJ6.0A	63	SSCD104RSH	08
SMAJ8.0CA	59	SMBJ28CA	61	SMCJ130CA	63	SMCJ6.0CA	63	SSCD104SH	08
SMAJ8.5A	59	SMBJ300A	61	SMCJ13A	63	SMCJ6.5A	63	SSCD104TH	09
SMAJ8.5CA	59	SMBJ300CA	61	SMCJ13CA	63	SMCJ6.5CA	63	SSCD104TSH	08
SMAJ80A	59	SMBJ30A	61	SMCJ140A	63	SMCJ60A	63	SSCD106H	09
SMAJ80CA	59	SMBJ30CA	61	SMCJ140CA	63	SMCJ60CA	63	SSCD106SH	08
SMAJ85A	59	SMBJ33A	61	SMCJ14A	63	SMCJ64A	63	SSCD110H	09
SMAJ85CA	59	SMBJ33CA	61	SMCJ14CA	63	SMCJ64CA	63	SSCD110SH	08
SMAJ9.0A	59	SMBJ350A	61	SMCJ150A	63	SMCJ7.0A	63	SSCD115H	09
SMAJ9.0CA	59	SMBJ350CA	61	SMCJ150CA	63	SMCJ7.0CA	63	SSCD120H	09
SMAJ90A	59	SMBJ36A	61	SMCJ15A	63	SMCJ7.5A	63	SSCD202H	10
SMAJ90CA	59	SMBJ36CA	61	SMCJ15CA	63	SMCJ7.5CA	63	SSCD202LH	11
SMBC104H	18	SMBJ400A	61	SMCJ160A	63	SMCJ70A	63	SSCD202SH	10
SMBC104LH	18	SMBJ400CA	61	SMCJ160CA	63	SMCJ70CA	63	SSCD204H	10
SMBC106H	18	SMBJ40A	61	SMCJ16A	63	SMCJ75A	63	SSCD204LH	11
SMBC110H	18	SMBJ40CA	61	SMCJ16CA	63	SMCJ75CA	63	SSCD204SH	10
SMBC204H	18	SMBJ43A	61	SMCJ170A	63	SMCJ78A	63	SSCD206H	10
SMBC204LH	18	SMBJ43CA	61	SMCJ170CA	63	SMCJ78CA	63	SSCD206SH	10
SMBC206H	18	SMBJ440A	61	SMCJ17A	63	SMCJ8.0A	63	SSCD210H	10
SMBC210H	18	SMBJ440CA	61	SMCJ17CA	63	SMCJ8.0CA	63	SSCD210SH	10
SMBJ100A	61	SMBJ45A	61	SMCJ180A	63	SMCJ8.5A	63	SSCD3045H	12
SMBJ100CA	61	SMBJ45CA	61	SMCJ180CA	63	SMCJ8.5CA	63	SSCD3065H	12
SMBJ10A	61	SMBJ48A	61	SMCJ18A	63	SMCJ80A	63	STCD100AH	57
SMBJ10CA	61	SMBJ48CA	61	SMCJ18CA	63	SMCJ80CA	63	STCD100CAH	57
SMBJ110A	61	SMBJ5.0A	61	SMCJ190A	63	SMCJ85A	63	STCD10AH	57
SMBJ110CA	61	SMBJ5.0CA	61	SMCJ190CA	63	SMCJ85CA	63	STCD10CAH	57
SMBJ11A	61	SMBJ51A	61	SMCJ19A	63	SMCJ9.0A	63	STCD110AH	57
SMBJ11CA	61	SMBJ51CA	61	SMCJ19CA	63	SMCJ9.0CA	63	STCD110CAH	57
SMBJ120A	61	SMBJ54A	61	SMCJ200A	63	SMCJ90A	63	STCD11AH	57
SMBJ120CA	61	SMBJ54CA	61	SMCJ200CA	63	SMCJ90CA	63	STCD11CAH	57
SMBJ12A	61	SMBJ58A	61	SMCJ20A	63	SRGC10DH	29	STCD120AH	57
SMBJ12CA	61	SMBJ58CA	61	SMCJ20CA	63	SRGC10GH	29	STCD120CAH	57
SMBJ130A	61	SMBJ6.0A	61	SMCJ220A	63	SRGC10JH	29	STCD12AH	57
SMBJ130CA	61	SMBJ6.0CA	61	SMCJ220CA	63	SRGC10KH	29	STCD12CAH	57
SMBJ13A	61	SMBJ6.5A	61	SMCJ22A	63	SRGC10MH	29	STCD130AH	57
SMBJ13CA	61	SMBJ6.5CA	61	SMCJ22CA	63	SS110	14	STCD130CAH	57
SMBJ140A	61	SMBJ60A	61	SMCJ24A	63	SS110H	14	STCD13AH	57
SMBJ140CA	61	SMBJ60CA	61	SMCJ24CA	63	SS12	14	STCD13CAH	57
SMBJ14A	61	SMBJ64A	61	SMCJ250A	63	SS12H	14	STCD140AH	57
SMBJ14CA	61	SMBJ64CA	61	SMCJ250CA	63	SS14	14	STCD140CAH	57
SMBJ150A	61	SMBJ7.0A	61	SMCJ26A	63	SS14H	14	STCD14AH	57
SMBJ150CA	61	SMBJ7.0CA	61	SMCJ26CA	63	SS16	14	STCD14CAH	57
SMBJ15A	61	SMBJ7.5A	61	SMCJ28A	63	SS16H	14	STCD150AH	57
SMBJ15CA	61	SMBJ7.5CA	61	SMCJ28CA	63	SS210	14	STCD150CAH	57
SMBJ160A	61	SMBJ70A	61	SMCJ300A	63	SS210H	15	STCD15AH	57
SMBJ160CA	61	SMBJ70CA	61	SMCJ300CA	63	SS22	14	STCD15CAH	57
SMBJ16A	61	SMBJ75A	61	SMCJ30A	63	SS22H	15	STCD160AH	57
SMBJ16CA	61	SMBJ75CA	61	SMCJ30CA	63	SS24	14	STCD160CAH	57
SMBJ170A	61	SMBJ78A	61	SMCJ33A	63	SS24H	15	STCD16AH	57
SMBJ170CA	61	SMBJ78CA	61	SMCJ33CA	63	SS26	14	STCD16CAH	57
SMBJ17A	61	SMBJ8.0A	61	SMCJ350A	63	SS26H	15	STCD170AH	57
SMBJ17CA	61	SMBJ8.0CA	61	SMCJ350CA	63	SS310	15	STCD170CAH	57
SMBJ180A	61	SMBJ8.5A	61	SMCJ36A	63	SS310H	15	STCD17AH	57
SMBJ180CA	61	SMBJ8.5CA	61	SMCJ36CA	63	SS32	15	STCD17CAH	57
SMBJ18A	61	SMBJ80A	61	SMCJ400A	63	SS32H	15	STCD180AH	57
SMBJ18CA	61	SMBJ80CA	61	SMCJ400CA	63	SS34	15	STCD180CAH	57
SMBJ190A	61	SMBJ85A	61	SMCJ40A	63	SS34H	15	STCD18AH	57
SMBJ190CA	61	SMBJ85CA	61	SMCJ40CA	63	SS36	15	STCD18CAH	57
SMBJ19A	61	SMBJ9.0A	61	SMCJ43A	63	SS36H	15	STCD190AH	57
SMBJ19CA	61	SMBJ9.0CA	61	SMCJ43CA	63	SSCD052H	08	STCD190CAH	57
SMBJ200A	61	SMBJ90A	61	SMCJ440A	63	SSCD052SH	08	STCD19AH	57
SMBJ200CA	61	SMBJ90CA	61	SMCJ440CA	63	SSCD052TH	08	STCD19CAH	57
SMBJ20A	61	SMCJ100A	63	SMCJ45A	63	SSCD054H	08	STCD20AH	57
SMBJ20CA	61	SMCJ100CA	63	SMCJ45CA	63	SSCD054SH	08	STCD20CAH	57
SMBJ220A	61	SMCJ10A	63	SMCJ48A	63	SSCD056SH	08	STCD22AH	57
SMBJ220CA	61	SMCJ10CA	63	SMCJ48CA	63	SSCD102H	09	STCD22CAH	57
SMBJ22A	61	SMCJ110A	63	SMCJ5.0A	63	SSCD102LH	09	STCD24AH	57
SMBJ22CA	61	SMCJ110CA	63	SMCJ5.0CA	63	SSCD102LSH	09	STCD24CAH	57
SMBJ24A	61	SMCJ11A	63	SMCJ51A	63	SSCD102SH	08	STCD26AH	57
SMBJ24CA	61	SMCJ11CA	63	SMCJ51CA	63	SSCD103PSH	08	STCD26CAH	57
SMBJ250A	61	SMCJ120A	63	SMCJ54A	63	SSCD104H	09	STCD28AH	57

NUMERICAL INDEX

STCD28CAH	57	TCD140AH	58	TCD8.0AH	58	UGP50G	43	Z2PK104LH	01
STCD30AH	57	TCD140CAH	58	TCD8.0CAH	58	UGP50GH	43	Z2PK106H	01
STCD30CAH	57	TCD14AH	58	TCD8.5AH	58	UGP50J	43	Z2PK110H	01
STCD33AH	57	TCD14CAH	58	TCD8.5CAH	58	UGP50JH	43	Z2PK115H	01
STCD33CAH	57	TCD150AH	58	TCD80AH	58	UGZ10DCT	45	Z2PK120H	01
STCD36AH	57	TCD150CAH	58	TCD80CAH	58	UGZ10DCTH	45	Z2PK202H	02
STCD36CAH	57	TCD15AH	58	TCD85AH	58	UGZ10DT	44	Z2PK204H	02
STCD40AH	57	TCD15CAH	58	TCD85CAH	58	UGZ10DTH	44	Z2PK204LH	02
STCD40CAH	57	TCD160AH	58	TCD9.0AH	58	UGZ10GCT	45	Z2PK206H	02
STCD43AH	57	TCD160CAH	58	TCD9.0CAH	58	UGZ10GCTH	45	Z2PK210H	02
STCD43CAH	57	TCD16AH	58	TCD90AH	58	UGZ10GT	44	Z2PK210LH	02
STCD45AH	57	TCD16CAH	58	TCD90CAH	58	UGZ10GTH	44	Z2PK215H	02
STCD45CAH	57	TCD170AH	58	UG110D	40	UGZ10JCT	45	Z2PK220H	02
STCD48AH	57	TCD170CAH	58	UG110G	40	UGZ10JCTH	45	Z2PK304H	02
STCD48CAH	57	TCD17AH	58	UG110J	40	UGZ10JT	44	Z2PK304RH	02
STCD5.0AH	57	TCD17CAH	58	UG110K	40	UGZ10JTH	44	Z2PK306H	02
STCD5.0CAH	57	TCD180AH	58	UGC10DH	40	UGZ16DCT	45	Z2PK310H	02
STCD51AH	57	TCD180CAH	58	UGC10GH	40	UGZ16DCTH	45	Z3PK10100DH	03
STCD51CAH	57	TCD18AH	58	UGC10JH	40	UGZ16GCT	45	Z3PK10100H	03
STCD54AH	57	TCD18CAH	58	UGC10KH	40	UGZ16GCTH	45	Z3PK10100LH	03
STCD54CAH	57	TCD190AH	58	UGC20DH	41	UGZ16JCT	45	Z3PK10150DH	03
STCD58AH	57	TCD190CAH	58	UGC20GH	41	UGZ16JCTH	45	Z3PK10150H	03
STCD58CAH	57	TCD19AH	58	UGC20JH	41	UGZ20DCT	45	Z3PK10200DH	03
STCD6.0AH	57	TCD19CAH	58	UGC20KH	41	UGZ20DCTH	45	Z3PK10200H	03
STCD6.0CAH	57	TCD20AH	58	UGF10D	41	UGZ20GCT	45	Z3PK1045DH	03
STCD6.5AH	57	TCD20CAH	58	UGF10DH	41	UGZ20GCTH	45	Z3PK1045H	03
STCD6.5CAH	57	TCD22AH	58	UGF10G	41	UGZ20JCT	45	Z3PK1045PH	03
STCD60AH	57	TCD22CAH	58	UGF10GH	41	UGZ20JCTH	45	Z3PK1045RH	03
STCD60CAH	57	TCD24AH	58	UGF10J	41	UGZ6DT	44	Z3PK1045SH	03
STCD64AH	57	TCD24CAH	58	UGF10JH	41	UGZ6DTH	44	Z3PK1060DH	03
STCD64CAH	57	TCD26AH	58	UGF10K	41	UGZ6GT	44	Z3PK1060H	03
STCD7.0AH	57	TCD26CAH	58	UGF10KH	41	UGZ6GTH	44	Z3PK12100LH	04
STCD7.0CAH	57	TCD28AH	58	UGF20D	42	UGZ6JT	44	Z3PK1545TH	04
STCD7.5AH	57	TCD28CAH	58	UGF20DH	42	UGZ6JTH	44	Z3PK20100H	04
STCD7.5CAH	57	TCD30AH	58	UGF20G	42	UGZ8DT	44	Z3PK20150H	04
STCD70AH	57	TCD30CAH	58	UGF20GH	42	UGZ8DTH	44	Z3PK20200H	04
STCD70CAH	57	TCD33AH	58	UGF20J	42	UGZ8GT	44	Z3PK2045H	04
STCD75AH	57	TCD33CAH	58	UGF20JH	42	UGZ8GTH	44	Z3PK2060H	04
STCD75CAH	57	TCD36AH	58	UGF20K	42	UGZ8JT	44	Z3PK340LH	02
STCD78AH	57	TCD36CAH	58	UGF20KH	42	UGZ8JTH	44	Z3PK5100H	03
STCD78CAH	57	TCD40AH	58	UGF30D	43	USCD012H	06	Z3PK5150H	03
STCD8.0AH	57	TCD40CAH	58	UGF30DH	43	USCD014H	06	Z3PK5200H	03
STCD8.0CAH	57	TCD43AH	58	UGF30G	43	USCD022H	06	Z3PK540H	03
STCD8.5AH	57	TCD43CAH	58	UGF30GH	43	USCD024H	06	Z3PK540TH	03
STCD8.5CAH	57	TCD45AH	58	UGF30J	43	USCD024RH	06	Z3PK545RH	03
STCD80AH	57	TCD45CAH	58	UGF30JH	43	USCD024TH	06	Z3PK545TH	03
STCD80CAH	57	TCD48AH	58	UGF30K	43	USCD032H	07	Z3PK560H	03
STCD85AH	57	TCD48CAH	58	UGF30KH	43	USCD034H	07	Z3PK8100H	03
STCD85CAH	57	TCD5.0AH	58	UGP10D	41	USCD034RH	07	Z3PK8150H	03
STCD9.0AH	57	TCD5.0CAH	58	UGP10DH	41	USCD052H	07	Z3PK8200H	03
STCD9.0CAH	57	TCD51AH	58	UGP10G	41	USCD053H	07	Z3PK845H	03
STCD90AH	57	TCD51CAH	58	UGP10GH	41	Z1PK054TH	01	Z3PK860H	03
STCD90CAH	57	TCD54AH	58	UGP10J	41	Z1PK102H	01	Z3PK860SH	03
SUGC08KH	40	TCD54CAH	58	UGP10JH	41	Z1PK102LH	01	Z3TPK1045RH	03
SUGC10DH	40	TCD58AH	58	UGP10K	41	Z1PK104H	01	Z4GP20JH	05
SUGC10GH	40	TCD58CAH	58	UGP10KH	41	Z1PK104LH	01	Z4GP20JLH	05
SUGC10JH	40	TCD6.0AH	58	UGP20D	42	Z1PK104SH	01	Z4GP20KH	05
SUGC10KH	40	TCD6.0CAH	58	UGP20DH	42	Z1PK106H	01	Z4GP20KHL	05
TCD100AH	58	TCD6.5AH	58	UGP20G	42	Z1PK106RH	01	Z4GP20MH	05
TCD100CAH	58	TCD6.5CAH	58	UGP20GH	42	Z1PK110H	01	Z4GP20MLH	05
TCD10AH	58	TCD60AH	58	UGP20J	42	Z1PK204TH	01	Z4GF40JH	05
TCD10CAH	58	TCD60CAH	58	UGP20JH	42	Z2APK310H	02	Z4GF40JLH	05
TCD110AH	58	TCD64AH	58	UGP20K	42	Z2APK315H	02	Z4GF40KH	05
TCD110CAH	58	TCD64CAH	58	UGP20KH	42	Z2APK320H	02	Z4GF40KHL	05
TCD11AH	58	TCD7.0AH	58	UGP30D	42	Z2APK34H	02	Z4GF40MH	05
TCD11CAH	58	TCD7.0CAH	58	UGP30DH	43	Z2APK36H	02	Z4GF40MLH	05
TCD120AH	58	TCD7.5AH	58	UGP30G	42	Z2APK510H	02	Z5TPK1045MH	04
TCD120CAH	58	TCD7.5CAH	58	UGP30GH	43	Z2APK515H	02	Z5TPK30100H	04
TCD12AH	58	TCD70AH	58	UGP30J	42	Z2APK520H	02	Z6PK1045MH	04
TCD12CAH	58	TCD70CAH	58	UGP30JH	43	Z2APK54H	02	Z6PK30100H	04
TCD130AH	58	TCD75AH	58	UGP30K	42	Z2APK54MH	02		
TCD130CAH	58	TCD75CAH	58	UGP30KH	43	Z2APK56H	02		
TCD13AH	58	TCD78AH	58	UGP50D	43	Z2PK102H	01		
TCD13CAH	58	TCD78CAH	58	UGP50DH	43	Z2PK104H	01		

**QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS**

Halogen-free Patented With Superchip™ Technology

I _o (A)	V _{RM} (V)	SOD-723	0603 USCD SOD-523	0805 MSCD SOD-323	Z1PAK-S Z1PK SOD-323	Z1PAK Z1PK SOD-323	1206-S SSCD SOD-123	1206 SSCD SOD-123	Z2PAK Z2PK SOD-123	2010 SCD DO-214AC(SMA)
0.1	20		USCD012H AUUSCD012H	MSCD012H AUMSCD012H						
	30	RB520G-30GH RB521G-30GH								
	40		USCD014H AUUSCD0104H	MSCD014H MSCD014RH AUMSCD014H						
0.2	20		USCD022H AUUSCD022H	MSCD022H						
	40		USCD024H USCD024RH USCD024TH AUUSCD024H	MSCD024H						
0.3	20		USCD032H AUUSCD032H	MSCD032H						
	40		USCD034H USCD034RH AUUSCD034H	MSCD034H						
	60			MSCD036H						
0.5	20		USCD052H	MSCD052H AUMSCD052H			SSCD052SH	SSCD052H SSCD052TH AUSSCD052H		
	30		USCD053H	MSCD053H MSCD053RH AUMSCD053H						
	40		AUUSCD054H	MSCD054H AUMSCD054H		Z1PK054TH	SSCD054SH	SSCD054H AUSSCD054H		
	60						SSCD056SH			
1.0	20			MSCD102H MSCD102LH AUMSCD102H		Z1PK102H Z1PK102LH	SSCD102SH SSCD102LSH	SSCD102H SSCD102LH AUSSCD102H	Z2PK102H	SCD5817H SCD12H SCD12LH AUSCD12H
	30						SSCD103PSH			SCD5818H
	40			MSCD104H MSCD104LH MSCD104RH AUMSCD104H	Z1PK104SH	Z1PK104H Z1PK104LH	SSCD104SH SSCD104RSH SSCD104TSH SSCD104LSH	SSCD104H SSCD104RH SSCD104TH SSCD104LH AUSSCD104H	Z2PK104H Z2PK104LH	SCD5819H SCD14H SCD14LH SCD14RH AUSCD14H
	60			MSCD106H MSCD106RH AUMSCD106H		Z1PK106H Z1PK106RH	SSCD106SH	SSCD106H AUSSCD106H	Z2PK106H	SCD16H SCD16LH AUSCD16LH
	100					Z1PK110H	SSCD110SH	SSCD110H AUSSCD110H	Z2PK110H	SCD110H AUSCD110H
	150							SSCD115H	Z2PK115H	SCD115H
	200							SSCD120H	Z2PK120H	SCD120H

NOTE: The model name headed with " AU " is complying with AEC-Q101

SOD-723



0603



0805



Z1PAK-S



Top View Bottom View

Z1PAK



Top View Bottom View

1206-S



1206



Z2PAK



Top View Bottom View

2010



QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS

Halogen-free Patented With Superchip™ Technology

I_o (A)	V_{RM} (V)	0805 MSCD SOD-323	Z1PAK Z1PK SOD-323	Z2PAK Z2PK SOD-123	1206-S SSCD SOD-123	1206 SSCD SOD-123	2010 SCD DO-214AC(SMA)	2114 BSCD DO-214AA(SMB)
2.0	20	MSCD202H AUMSCD202H		Z2PK202H	SSCD202SH	SSCD202H SSCD202LH AUSSCD202H	SCD22H SCD22LH AUSCD22H	BSCD22H
	40	MSCD204H AUMSCD204H	Z1PK204TH	Z2PK204H Z2PK204LH	SSCD204SH	SSCD204H SSCD204LH AUSSCD204H	SCD24H SCD24DH SCD24LH AUSCD24H	BSCD24H
	60			Z2PK206H	SSCD206SH	SSCD206H AUSSCD206H	SCD26H AUSCD26H	BSCD26H
	100			Z2PK210H Z2PK210LH	SSCD210SH	SSCD210H AUSSCD210H	SCD210H AUSCD210H	BSCD210H
	150			Z2PK215H			SCD215H	
	200			Z2PK220H			SCD220H	

Halogen-free Patented With Superchip™ Technology

I_o (A)	V_{RM} (V)	0805 MSCD SOD-323	1206-S SSCD SOD-123	2010 SCD DO-214AC(SMA)	Z2PAK Z2PK SOD-123	Z2APAK Z2APK DO-214AC(SMA)	Z3PAK Z3PK TO-277	2114 BSCD DO-214AA(SMB)	3220 CSCD DO-214AB(SMC)
3.0	20	MSCD302H AUMSCD302H		SCD32H SCD32LH AUSCD32H				BSCD32H	CSCD32H
	30			SCD33PH					
	40	MSCD304H AUMSCD304H	SSCD304SH	SCD34H SCD34DH SCD34MH SCD34LH AUSCD34H	Z2PK304H Z2PK304RH	Z2APK34H	Z3PK340LH	BSCD34H	CSCD34H
	45			SCD345H					
	60	MSCD306H AUMSCD306H	SSCD306SH	SCD36H SCD36RH AUSCD36H	Z2PK306H	Z2APK36H		BSCD36H	CSCD36H
	100			SCD310H AUSCD310H	Z2PK310H	Z2APK310H		BSCD310H	CSCD310H
	150			SCD315H		Z2APK315H			
	200			SCD320H		Z2APK320H			
5.0	20								CSCD52H
	30			SCD53H					
	40			SCD54H		Z2APK54H Z2APK54MH	Z3PK540H Z3PK540TH	BSCD54H BSCD54DH	CSCD54H
	45			SCD545H			Z3PK545RH Z3PK545TH		
	60					Z2APK56H	Z3PK560H	BSCD56H	CSCD56H
	100					Z2APK510H	Z3PK5100H	BSCD510H	CSCD510H
	150					Z2APK515H	Z3PK5150H		
	200					Z2APK520H	Z3PK5200H		
8.0	40							BSCD84H	
	45						Z3PK845H		
	60						Z3PK860H Z3PK860SH		
	100						Z3PK8100H		
	150						Z3PK8150H		
	200						Z3PK8200H		

NOTE: The model name headed with " AU " is complying with AEC-Q101



**QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS**

Halogen-free Patented With Superchip™ Technology

I_o (A)	V_{RM} (V)	Z3PAK Z3PK TO-277	Z3PAK-T Z3TPK TO-277A	Z5PAK-T Z5TPK DO-214AB(SMC)	Z6PAK Z6PK DPAK(TO-252)
10	45	Z3PK1045H Z3PK1045DH Z3PK1045RH Z3PK1045PH Z3PK1045SH	Z3TPK1045RH	Z5TPK1045MH	Z6PK1045MH
	60	Z3PK1060H Z3PK1060DH			
	100	Z3PK10100H Z3PK10100DH Z3PK10100LH			
	150	Z3PK10150H Z3PK10150DH			
	200	Z3PK10200H Z3PK10200DH			
12	100	Z3PK12100LH			
15	45	Z3PK1545TH			
20	45	Z3PK2045H			
	60	Z3PK2060H			
	100	Z3PK20100H			
	150	Z3PK20150H			
	200	Z3PK20200H			
30	100			Z5TPK30100H	Z6PK30100H

Z3PAK



Z3PAK-T



Z5PAK-T



Z6PAK



**QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS**

I_o (A)	V_{RM} (V)	DO-214AC SMA	DO-214AA SMB	DO-214AB SMC	DO-204AL DO-41	DO-201AD DO-27
1.0	20	SS12 SS12H			1N5817 1N5817H SB120 SB120H	
	30				1N5818 1N5818H	
	40	SS14 SS14H			1N5819 1N5819H SB140 SB140H	
	60	SS16 SS16H			SB160 SB160H	
	100	SS110 SS110H			SB1100 SB1100H	
2.0	20	SS22 SS22H			SB220 SB220H	
	40	SS24 SS24H			SB240 SB240H	
	60	SS26 SS26H			SB260 SB260H	
	100	SS210 SS210H			SB2100 SB2100H	
3.0	20		SS32 SS32H	SC32 SC32H		1N5820 1N5820H SB320 SB320H
	30					1N5821 1N5821H
	40		SS34 SS34H	SC34 SC34H		1N5822 1N5822H SB340 SB340H
	60		SS36 SS36H	SC36 SC36H		SB360 SB360H
	100		SS310 SS310H	SC310 SC310H		SB3100 SB3100H
5.0	20			SC52 SC52H		SB520 SB520H
	40			SC54 SC54H		SB540 SB540H
	60			SC56 SC56H		SB560 SB560H
	100			SC510 SC510H		SB5100 SB5100H
8.0	40					SB840 SB840H
	60					SB860 SB860H

DO-214AC(SMA)



DO-214AA(SMB)



DO-214AB(SMC)



DO-204AL(DO-41)



DO-201AD(DO-27)



**QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS**

I_o (A)	V_{RM} (V)	TO-220AB	ITO-220AB
10	40	SBL1040CTSH	SBL1040CFSH
	45	SBL1045CTSH	SBL1045CFSH
	60	SBL1060CTSH	SBL1060CFSH
	100	MBR10100CTSH	MBR10100CFSH
	150	MBR10150CTSH	MBR10150CFSH
	200	MBR10200CTSH	MBR10200CFSH
20	40	SBL2040CTSH	SBL2040CFSH
	45	SBL2045CTSH	SBL2045CFSH
	60	SBL2060CTSH	SBL2060CFSH
	100	MBR20100CTSH	MBR20100CFSH
	150	MBR20150CTSH	MBR20150CFSH
	200	MBR20200CTSH	MBR20200CFSH
30	40	SBL3040CTSH	SBL3040CFSH
	45	SBL3045CTSH	SBL3045CFSH
	60	SBL3060CTSH	SBL3060CFSH
	100	MBR30100CTSH	MBR30100CFSH
	150	MBR30150CTSH	MBR30150CFSH
	200	MBR30200CTSH	MBR30200CFSH

TO-220AB



ITO-220AB



**QUICK REFERENCE TABLE
SCHOTTKY BRIDGE RECTIFIERS**

Halogen-free Patented With Superchip™ Technology

I_o (A)	V_{RM} (V)	Schottky Bridge MBC
1.0	40	SMBC104H SMBC104LH
	60	SMBC106H
	100	SMBC110H
2.0	40	SMBC204H SMBC204LH
	60	SMBC206H
	100	SMBC210H

MBC



**QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS**

Halogen-free Patented With Superchip™ Technology

I_o (A)	V_{RM} (V)	Ultra Mini Bridge MBCN	Mini Bridge MBC	Mini Bridge MBCR	Mini Bridge Z4PAK	Mini Bridge Z4PAK-D
0.8	600		MBC08JH			
	800		MBC08KH			
	1000	LX08M	MBC08MH			
1.0	600		MBC10JH	MBCR10JH MBCR10JLH		
	800		MBC10KH	MBCR10KH MBCR10KLH		
	1000		MBC10MH	MBCR10MH MBCR10MLH		
2.0	600				Z4GP20JH Z4GP20JLH	
	800				Z4GP20KH Z4GP20KLH	
	1000				Z4GP20MH Z4GP20MLH	
4.0	600					Z4GP40JH Z4GP40JLH
	800					Z4GP40KH Z4GP40KLH
	1000					Z4GP40MH Z4GP40MLH

MBCN



MBC



MBCR



Z4PAK



Top View Bottom View

Z4PAK-D



Top View Bottom View

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

I_o (A)	V_{RM} (V)	DFM	DFS	GBP	KBL	GBL	GBL-LS	KBJ	GBU	GBU-LC
1.0	200	DF02 DF02H	DF02S DF02SH							
	400	DF04 DF04H	DF04S DF04SH							
	600	DF06 DF06H	DF06S DF06SH							
	800	DF08 DF08H	DF08S DF08SH							
	1000	DF10 DF10H	DF10S DF10SH							
1.5	200	DF1502 DF1502H	DF1502S DF1502SH							
	400	DF1504 DF1504H	DF1504S DF1504SH							
	600	DF1506 DF1506H	DF1506S DF1506SH							
	800	DF1508 DF1508H	DF1508S DF1508SH							
	1000	DF1510 DF1510H	DF1510S DF1510SH							
2.0	200			GBP202 GBP202H						
	400			GBP204 GBP204H						
	600			GBP206 GBP206H						
	800			GBP208 GBP208H						
	1000			GBP210 GBP210H						
4.0	200				KBL02 KBL02H	GBL02 GBL02H	GBL02S GBL02LS	KBJ4D KBJ4DH	GBU402 GBU402H GBU402C	GBU402LC
	400				KBL04 KBL04H	GBL04 GBL04H	GBL04S GBL04LS	KBJ4G KBJ4GH	GBU404 GBU404H GBU404C	GBU404LC
	600				KBL06 KBL06H	GBL06 GBL06H	GBL06S GBL06LS	KBJ4J KBJ4JH	GBU406 GBU406H GBU406C	GBU406LC
	800				KBL08 KBL08H	GBL08 GBL08H	GBL08S GBL08LS	KBJ4K KBJ4KH	GBU408 GBU408H GBU408C	GBU408LC
	1000				KBL10 KBL10H	GBL10 GBL10H	GBL10S GBL10LS	KBJ4M KBJ4MH	GBU410 GBU410H GBU410C	GBU410LC

DFM



DFS



GBP



KBL



GBL



GBL-LS



KBJ



GBU / GBU-LC



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

I_o (A)	V_{RM} (V)	DFM	DFS	GBP	KBL	GBL	KBJ	GBU	GBU-LC	GBJ
6.0	200						KBJ6D KBJ6DH	GBU602 GBU602H GBU602C	GBU602LC	
	400						KBJ6G KBJ6GH	GBU604 GBU604H GBU604C	GBU604LC	
	600						KBJ6J KBJ6JH	GBU606 GBU606H GBU606C	GBU606LC	
	800						KBJ6K KBJ6KH	GBU608 GBU608H GBU608C	GBU608LC	
	1000						KBJ6M KBJ6MH	GBU610 GBU610H GBU610C	GBU610LC	
8.0	200							GBU802 GBU802H GBU802C	GBU802LC	GBJ8D GBJ8DH
	400							GBU804 GBU804H GBU804C	GBU804LC	GBJ8G GBJ8GH
	600							GBU806 GBU806H GBU806C	GBU806LC	GBJ8J GBJ8JH
	800							GBU808 GBU808H GBU808C	GBU808LC	GBJ8K GBJ8KH
	1000							GBU810 GBU810H GBU810C	GBU810LC	GBJ8M GBJ8MH
10	200							GBU1002 GBU1002H GBU1002C	GBU1002LC	GBJ10D GBJ10DH
	400							GBU1004 GBU1004H GBU1004C	GBU1004LC	GBJ10G GBJ10GH
	600							GBU1006 GBU1006H GBU1006C	GBU1006LC	GBJ10J GBJ10JH
	800							GBU1008 GBU1008H GBU1008C	GBU1008LC	GBJ10K GBJ10KH
	1000							GBU1010 GBU1010H GBU1010C	GBU1010LC	GBJ10M GBJ10MH

KBJ



GBJ



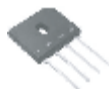
GBU / GBU-LC



**QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS**

I_o (A)	V_{RM} (V)	GBU	GBU-LC	GBJ	GBJ-LB	GBPC GBPCW
15	200			GBJ15D GBJ15DH		
	400			GBJ15G GBJ15GH		
	600			GBJ15J GBJ15JH	GBJ15JLB	
	800			GBJ15K GBJ15KH		
	1000			GBJ15M GBJ15MH		
20	200			GBJ20D GBJ20DH		
	400			GBJ20G GBJ20GH		
	600			GBJ20J GBJ20JH		
	800			GBJ20K GBJ20KH		
	1000			GBJ20M GBJ20MH		
25	200			GBJ25D GBJ25DH		GBPC2502 GBPC2502W
	400			GBJ25G GBJ25GH		GBPC2504 GBPC2504W
	600			GBJ25J GBJ25JH	GBJ25JLB	GBPC2506 GBPC2506W
	800			GBJ25K GBJ25KH		GBPC2508 GBPC2508W
	1000			GBJ25M GBJ25MH		GBPC2510 GBPC2510W
35	200					GBPC3502 GBPC3502W
	400					GBPC3504 GBPC3504W
	600					GBPC3506 GBPC3506W
	800					GBPC3508 GBPC3508W
	1000					GBPC3510 GBPC3510W

GBU / GBU-LC



GBJ / GBJ-LB



GBPC



GBPC-W



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

Patented With Superexil™ Technology

I_o (A)	V_{RM} (V)	T_{RR} (nS)	TO-220AB
10	200	50	EGZ10DCT EGZ10DCTH
	400	50	EGZ10GCT EGZ10GCTH
	600	75	EGZ10JCT EGZ10JCTH
12	200	50	EGZ12DCT EGZ12DCTH
	400	50	EGZ12GCT EGZ12GCTH
	600	75	EGZ12JCT EGZ12JCTH
16	200	50	EGZ16DCT EGZ16DCTH
	400	50	EGZ16GCT EGZ16GCTH
	600	75	EGZ16JCT EGZ16JCTH
20	200	50	EGZ20DCT EGZ20DCTH
	400	50	EGZ20GCT EGZ20GCTH
	600	75	EGZ20JCT EGZ20JCTH

TO-220AB



**QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS**

Patented With Superexil™ Technology

I_o (A)	V_{RM} (V)	T_{RR} (nS)	TO-220AC	TO-220AB
6.0	200	35	UGZ6DT UGZ6DTH	
	400	35	UGZ6GT UGZ6GTH	
	600	35	UGZ6JT UGZ6JTH	
8.0	200	35	UGZ8DT UGZ8DTH	
	400	35	UGZ8GT UGZ8GTH	
	600	35	UGZ8JT UGZ8JTH	
10	200	35	UGZ10DT UGZ10DTH	UGZ10DCT UGZ10DCTH
	400	35	UGZ10GT UGZ10GTH	UGZ10GCT UGZ10GCTH
	600	35	UGZ10JT UGZ10JTH	UGZ10JCT UGZ10JCTH
16	200	35		UGZ16DCT UGZ16DCTH
	400	35		UGZ16GCT UGZ16GCTH
	600	35		UGZ16JCT UGZ16JCTH
20	200	35		UGZ20DCT UGZ20DCTH
	400	35		UGZ20GCT UGZ20GCTH
	600	35		UGZ20JCT UGZ20JCTH

TO-220AC



TO-220AB



**QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HYPER FAST RECTIFIERS**

I_o (A)	V_{RM} (V)	T_{RR} (nS)	TO-220AC
8.0	600	23	SGZ8JT SGZ8JTH

TO-220AC



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS-Low Vf Series

Patented With TM SuperexII TM Technology
TM Superchip

I_o (A)	V_{RM} (V)	1206-S SGC SOD-123	1206 BYD SOD-123	2010 GC DO-214AC/SMA	2114 BGC DO-214AA/SMB	3220 CGC DO-214AB/SMC	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	SGC10DLH	BYD17ZDLH AUBYD17ZDLH	GC10DLH			GF10DL GF10DLH		G110DL G110DLH	GP10DL GP10DLH		
	400	SGC10GLH	BYD17ZGLH AUBYD17ZGLH	GC10GLH			GF10GL GF10GLH		G110GL G110GLH	GP10GL GP10GLH		
	600	SGC10JLH	BYD17ZJLH AUBYD17ZJLH	GC10JLH			GF10JL GF10JLH		G110JL G110JLH	GP10JL GP10JLH		
	800	SGC10KLH	BYD17ZKLH AUBYD17ZKLH	GC10KLH			GF10KL GF10KLH		G110KL G110KLH	GP10KL GP10KLH		
	1000	SGC10MLH	BYD17ZMLH AUBYD17ZMLH	GC10MLH			GF10ML GF10MLH		G110ML G110MLH	GP10ML GP10MLH		
2.0	200			GC20DLH	BGC20DLH			GF20DL GF20DLH			GP20DL GP20DLH	
	400			GC20GLH	BGC20GLH			GF20GL GF20GLH			GP20GL GP20GLH	
	600			GC20JLH	BGC20JLH			GF20JL GF20JLH			GP20JL GP20JLH	
	800			GC20KLH	BGC20KLH			GF20KL GF20KLH			GP20KL GP20KLH	
	1000			GC20MLH	BGC20MLH			GF20ML GF20MLH			GP20ML GP20MLH	
3.0	200				BGC30DLH	CGC30DLH		GF30DL GF30DLH				GP30DL GP30DLH
	400				BGC30GLH	CGC30GLH		GF30GL GF30GLH				GP30GL GP30GLH
	600				BGC30JLH	CGC30JLH		GF30JL GF30JLH				GP30JL GP30JLH
	800				BGC30KLH	CGC30KLH		GF30KL GF30KLH				GP30KL GP30KLH
	1000				BGC30MLH	CGC30MLH		GF30ML GF30MLH				GP30ML GP30MLH

NOTE: The model name headed with " AU " is complying with AEC-Q101

1206-S



1206



2010



2114



3220



DO-214AC(SMA)



DO-214AA(SMB)



R-1



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

Patented With *Superexil™* Technology
Superchip™

I_o (A)	V_{RM} (V)	1206-S SGC SOD-123	1206 BYD SOD-123	2010 GC DO-214AC/SMA	2114 BGC DO-214AA(SMB)	3220 CGC DO-214AB(SMC)	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27	P-600	R-6
1.0	200	SGC10DH	BYD17ZDH AUBYD17ZDH	GC10DH			GF10D GF10DH		G110D G110DH	GP10D GP10DH				
	400	SGC10GH	BYD17ZGH AUBYD17ZGH	GC10GH			GF10G GF10GH		G110G G110GH	GP10G GP10GH				
	600	SGC10JH	BYD17ZJH AUBYD17ZJH	GC10JH			GF10J GF10JH		G110J G110JH	GP10J GP10JH				
	800	SGC10KH	BYD17ZKH AUBYD17ZKH	GC10KH			GF10K GF10KH		G110K G110KH	GP10K GP10KH				
	1000	SGC10MH	BYD17ZMH AUBYD17ZMH	GC10MH			GF10M GF10MH		G110M G110MH	GP10M GP10MH				
	1200						GF10Q GF10QH			GP10Q GP10QH				
	1400									GP10V GP10VH				
	1600						GF10Y GF10YH			GP10Y GP10YH				
	2000						GF02-20 GF02-20H			GP02-20 GP02-20H				
2.0	200			GC20DH	BGC20DH		GF20D GF20DH				GP20D GP20DH			
	400			GC20GH	BGC20GH		GF20G GF20GH				GP20G GP20GH			
	600			GC20JH	BGC20JH		GF20J GF20JH				GP20J GP20JH			
	800			GC20KH	BGC20KH		GF20K GF20KH				GP20K GP20KH			
	1000			GC20MH	BGC20MH		GF20M GF20MH				GP20M GP20MH			
3.0	200				BGC30DH	CGC30DH	GF30D GF30DH					GP30D GP30DH		
	400				BGC30GH	CGC30GH	GF30G GF30GH					GP30G GP30GH		
	600				BGC30JH	CGC30JH	GF30J GF30JH					GP30J GP30JH		
	800				BGC30KH	CGC30KH	GF30K GF30KH					GP30K GP30KH		
	1000				BGC30MH	CGC30MH	GF30M GF30MH					GP30M GP30MH		
10	400											GP100G	GP100GC	

NOTE: The model name headed with "AU" is complying with AEC-Q101

1206-S



1206



2010



2114



3220



DO-214AC(SMA)



DO-214AA(SMB)



R-1



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



P-600



R-6



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

Patented With *SuperexTM* Technology
Superchip

I_o (A)	V_{RM} (V)	T_{RR} (nS)	1206-S SRGC SOD-123	1206 BYD SOD-123	2010 RGC DO-214AC/SMA	2114 BRGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	150	SRGC10DH		RGC10DH		RGF10D RGF10DH		RG110D RG110DH	RGP10D RGP10DH		
		250		BYD37ZDH								
	400	150	SRGC10GH		RGC10GH		RGF10G RGF10GH		RG110G RG110GH	RGP10G RGP10GH		
		250		BYD37ZGH								
	600	150					RGF10JA RGF10JAH			RGP10JA RGP10JAH		
		250	SRGC10JH	BYD37ZJH	RGC10JH		RGF10J RGF10JH		RG110J RG110JH	RGP10J RGP10JH		
	800	300	SRGC10KH	BYD37ZKH	RGC10KH		RGF10KA RGF10KAH			RGP10KA RGP10KAH		
		500					RGF10K RGF10KH		RG110K RG110KH	RGP10K RGP10KH		
	1000	300	SRGC10MH	BYD37ZMH			RGF10MA RGF10MAH			RGP10MA RGP10MAH		
		500			RGC10MH		RGF10M RGF10MH		RG110M RG110MH	RGP10M RGP10MH		
	1200	300								RGP02-12 RGP02-12H		
	1500	300								RGP02-15 RGP02-15H		
	1800	300								RGP02-18 RGP02-18H		
	2000	300								RGP02-20 RGP02-20H		
2.0	200	150			RGC20DH	BRGC20DH		RGF20D RGF20DH			RGP20D RGP20DH	
	400	150			RGC20GH	BRGC20GH		RGF20G RGF20GH			RGP20G RGP20GH	
	600	150						RGF20JA RGF20JAH			RGP20JA RGP20JAH	
		250			RGC20JH	BRGC20JH		RGF20J RGF20JH			RGP20J RGP20JH	
	800	300			RGC20KH	BRGC20KH		RGF20KA RGF20KAH			RGP20KA RGP20KAH	
		500						RGF20K RGF20KH			RGP20K RGP20KH	
	1000	300						RGF20MA RGF20MAH			RGP20MA RGP20MAH	
		500			RGC20MH	BRGC20MH		RGF20M RGF20MH			RGP20M RGP20MH	
3.0	200	150				BRGC30DH		RGF30D RGF30DH				RGP30D RGP30DH
	400	150				BRGC30GH		RGF30G RGF30GH				RGP30G RGP30GH
	600	150						RGF30JA RGF30JAH				RGP30JA RGP30JAH
		250				BRGC30JH		RGF30J RGF30JH				RGP30J RGP30JH
	800	300				BRGC30KH		RGF30KA RGF30KAH				RGP30KA RGP30KAH
		500						RGF30K RGF30KH				RGP30K RGP30KH
	1000	300						RGF30MA RGF30MAH				RGP30MA RGP30MAH
		500				BRGC30MH		RGF30M RGF30MH				RGP30M RGP30MH

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

Patented With TM SuperexII TM Technology
TM Superchip

I _o (A)	V _{RM} (V)	T _{RR} (nS)	1206-S SEGC SOD-123	1206 BYD SOD-123	2010 EGC DO-214AC/SMA	2114 BEGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27	P-600
1.0	200	50	SEGC10DH	BYD57ZDH	EGC10DH		EGF10D EGF10DH		EG110D EG110DH	EGP10D EGP10DH			
	400	50	SEGC10GH	BYD57ZGH	EGC10GH		EGF10G EGF10GH		EG110G EG110GH	EGP10G EGP10GH			
	600	50		BYD57ZJH									
		75	SEGC10JH		EGC10JH		EGF10J EGF10JH		EG110J EG110JH	EGP10J EGP10JH			
	800	75	SEGC10KH	BYD57ZKH	EGC10KH		EGF10K EGF10KH		EG110K EG110KH	EGP10K EGP10KH			
	1000	75	SEGC10MH	BYD57ZMH	EGC10MH		EGF10M EGF10MH		EG110M EG110MH	EGP10M EGP10MH			
2.0	200	50			EGC20DH	BEGC20DH		EGF20D EGF20DH			EGP20D EGP20DH		
	400	50			EGC20GH	BEGC20GH		EGF20G EGF20GH			EGP20G EGP20GH		
	600	75			EGC20JH	BEGC20JH		EGF20J EGF20JH			EGP20J EGP20JH		
	800	75			EGC20KH	BEGC20KH		EGF20K EGF20KH			EGP20K EGP20KH		
	1000	75			EGC20MH	BEGC20MH		EGF20M EGF20MH			EGP20M EGP20MH		
3.0	200	50				BEGC30DH		EGF30D EGF30DH				EGP30D EGP30DH	
	400	50				BEGC30GH		EGF30G EGF30GH				EGP30G EGP30GH	
	600	75				BEGC30JH		EGF30J EGF30JH				EGP30J EGP30JH	
	800	75				BEGC30KH		EGF30K EGF30KH				EGP30K EGP30KH	
	1000	75				BEGC30MH		EGF30M EGF30MH				EGP30M EGP30MH	
5.0	200	50										EGP50D EGP50DH	
	400	50										EGP50G EGP50GH	

1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



R-1



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)



P-600



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

Patented With *Superexl™*
Superchip™ Technology

I_o (A)	V_{RM} (V)	T_{RR} (nS)	1206-S SUGC SOD-123	1206 BYD SOD-123	2010 UGC DO-214AC/SMA	2114 BUGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
0.8	800	35	SUGC08KH									
1.0	200	35	SUGC10DH	BYD127ZH	UGC10DH		UGF10D UGF10DH		UG110D	UGP10D UGP10DH		
		50		BYD77ZDH								
	400	35	SUGC10GH	BYD147ZH	UGC10GH		UGF10G UGF10GH		UG110G	UGP10G UGP10GH		
		50		BYD77ZGH								
	600	35	SUGC10JH AUSUGC10JH	BYD167ZH AUBYD167ZH	UGC10JH		UGF10J UGF10JH		UG110J	UGP10J UGP10JH		
	800	35	SUGC10KH	BYD187ZH	UGC10KH		UGF10K UGF10KH		UG110K	UGP10K UGP10KH		
2.0	200	35			UGC20DH	BUGC20DH		UGF20D UGF20DH			UGP20D UGP20DH	
	400	35			UGC20GH	BUGC20GH		UGF20G UGF20GH			UGP20G UGP20GH	
	600	35			UGC20JH	BUGC20JH		UGF20J UGF20JH			UGP20J UGP20JH	
	800	35			UGC20KH	BUGC20KH		UGF20K UGF20KH			UGP20K UGP20KH	
3.0	200	35				BUGC30DH		UGF30D UGF30DH				UGP30D UGP30DH
	400	35				BUGC30GH		UGF30G UGF30GH				UGP30G UGP30GH
	600	35				BUGC30JH		UGF30J UGF30JH				UGP30J UGP30JH
	800	35				BUGC30KH		UGF30K UGF30KH				UGP30K UGP30KH
4.0	200	50										MUR420 MUR420H
	400	50										MUR460 MUR460H
5.0	200	35										UGP50D UGP50DH
	400	35										UGP50G UGP50GH
	600	35										UGP50J UGP50JH

NOTE: The model name headed with " AU " is complying with AEC-Q101

1206-S



1206



2010



2114



DO-214AC(SMA)



DO-214AA(SMB)



R-1



DO-204AL(DO-41)



DO-204AC(DO-15)



DO-201AD(DO-27)





ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW **0.5 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z1PK054TH	40	0.5	10	0.20	0.5	0.39	B 4T.
-----------	----	-----	----	------	-----	------	----------

NEW **1.0 AMPERE / Z1PAK-S (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z1PK104SH	40	1.0	25	0.20	1.0	0.50	A 4S.
-----------	----	-----	----	------	-----	------	----------

NEW **1.0 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z1PK102H	20	1.0	15	0.20	1.0	0.50	A 2.
Z1PK104H	40	1.0	15	0.20	1.0	0.50	A 4.
Z1PK106H	60	1.0	15	0.20	1.0	0.65	A 6.
Z1PK106RH	60	1.0	10	0.05	1.0	0.70	A 6L.
Z1PK110H	100	1.0	15	0.20	1.0	0.82	A 10.

NEW **Low VF** **1.0 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z1PK102LH	20	1.0	20	1.0	1.0	0.38	A 2L.
Z1PK104LH	40	1.0	20	1.0	1.0	0.38	A 4L.

NEW **1.0 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z2PK102H	20	1.0	20	0.20	1.0	0.50	A2.
Z2PK104H	40	1.0	20	0.20	1.0	0.50	A4.
Z2PK106H	60	1.0	20	0.20	1.0	0.70	A6.
Z2PK110H	100	1.0	20	0.20	1.0	0.85	A10.
Z2PK115H	150	1.0	20	0.05	1.0	0.88	A15.
Z2PK120H	200	1.0	20	0.05	1.0	0.90	A20.

NEW **Low VF** **1.0 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z2PK104LH	40	1.0	20	1.0	1.0	0.38	A4L.
-----------	----	-----	----	-----	-----	------	------

NEW **2.0 AMPERE / Z1PAK (Equivalent to SOD-323) / Halogen-free ZPAK™ (High Thermal Performance Package)** **PATENTED**

Z1PK204TH	40	2.0	10	0.2	1.5	0.46	L 4T.
-----------	----	-----	----	-----	-----	------	----------

New Product

ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW

2.0 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z2PK202H	20	2.0	40	0.20	2.0	0.50	L2.
Z2PK204H	40	2.0	40	0.20	2.0	0.50	L4.
Z2PK206H	60	2.0	40	0.20	2.0	0.70	L6.
Z2PK210H	100	2.0	40	0.20	2.0	0.85	L10.
Z2PK215H	150	2.0	40	0.05	2.0	0.88	L15.
Z2PK220H	200	2.0	40	0.05	2.0	0.90	L20.

NEW

Low VF

2.0 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z2PK204LH	40	2.0	40	1.0	2.0	0.40	L4L
Z2PK210LH	100	2.0	80	0.2	2.0	0.75	L10L

NEW

3.0 AMPERE / Z2PAK (Equivalent to SOD-123) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z2PK304H	40	3.0	80	0.20	3.0	0.50	K4.
Z2PK304RH	40	3.0	60	0.15	3.0	0.55	K4R.
Z2PK306H	60	3.0	80	0.20	3.0	0.70	K6.
Z2PK310H	100	3.0	80	0.20	3.0	0.85	K10.

NEW

3.0 AMPERE / Z2APAK (Equivalent to DO-214AC / SMA) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z2APK34H	40	3.0	80	0.20	3.0	0.50	Z2A 34.
Z2APK36H	60	3.0	80	0.20	3.0	0.70	Z2A 36.
Z2APK310H	100	3.0	80	0.20	3.0	0.85	Z2A 310.
Z2APK315H	150	3.0	80	0.05	3.0	0.88	Z2A 315.
Z2APK320H	200	3.0	80	0.05	3.0	0.90	Z2A 320.

NEW

3.0 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z3PK340LH	40	3.0	90	1.0	3.0	0.42	Z3PK 34L.
-----------	----	-----	----	-----	-----	------	-----------

NEW

5.0 AMPERE / Z2APAK (Equivalent to DO-214AC / SMA) / Halogen-free ZPAK™ (High Thermal Performance Package)

 **PATENTED**

Z2APK54H	40	5.0	110	0.20	5.0	0.55	Z2A 54.
Z2APK54MH	40	5.0	110	0.10	5.0	0.57	Z2A 54M.
Z2APK56H	60	5.0	110	0.20	5.0	0.70	Z2A 56.
Z2APK510H	100	5.0	110	0.20	5.0	0.85	Z2A 510.
Z2APK515H	150	5.0	110	0.05	5.0	0.88	Z2A 515.
Z2APK520H	200	5.0	110	0.05	5.0	0.90	Z2A 520.



ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	



5.0 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK540H	40	5.0	120	0.10	5.0	0.57	Z3PK 54.
Z3PK540TH	40	5.0	100	0.20	5.0	0.56	Z3PK 540T.
Z3PK545RH	45	5.0	150	0.20	5.0	0.47	Z3PK 545R.
Z3PK545TH	45	5.0	100	0.20	5.0	0.56	Z3PK 545T.
Z3PK560H	60	5.0	120	0.10	5.0	0.70	Z3PK 56.
Z3PK5100H	100	5.0	120	0.10	5.0	0.85	Z3PK 5100.
Z3PK5150H	150	5.0	110	0.05	5.0	0.88	Z3PK 5150.
Z3PK5200H	200	5.0	110	0.05	5.0	0.90	Z3PK 5200.



8 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK845H	45	8.0	180	0.10	8.0	0.58	Z3PK 845.
Z3PK860H	60	8.0	180	0.10	8.0	0.70	Z3PK 860.
Z3PK860SH	60	8.0	280	0.50	8.0	0.52	Z3PK 860S.
Z3PK8100H	100	8.0	170	0.10	8.0	0.80	Z3PK 8100.
Z3PK8150H	150	8.0	170	0.10	8.0	0.83	Z3PK 8150.
Z3PK8200H	200	8.0	170	0.10	8.0	0.86	Z3PK 8200.



10 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK1045H	45	10	180	0.10	10	0.62	Z3PK 1045.
Z3PK1045DH	45	10	300	0.10	10	0.55	Z3PK 1045D.
Z3PK1045RH	45	10	300	0.25	10	0.47	Z3PK 1045R.
Z3PK1045PH	45	10	300	0.10	10	0.49	Z3PK 1045P.
Z3PK1045SH	45	10	300	0.50	10	0.45	Z3PK 1045S.
Z3PK1060H	60	10	180	0.10	10	0.75	Z3PK 1060.
Z3PK1060DH	60	10	270	0.10	10	0.65	Z3PK 1060D.
Z3PK10100H	100	10	170	0.10	10	0.82	Z3PK 10100.
Z3PK10100DH	100	10	270	0.10	10	0.78	Z3PK 10100D.
Z3PK10100LH	100	10	180	0.15	10	0.68	Z3PK 10100L.
Z3PK10150H	150	10	170	0.10	10	0.88	Z3PK 10150.
Z3PK10150DH	150	10	250	0.10	10	0.82	Z3PK 10150D.
Z3PK10200H	200	10	170	0.10	10	0.90	Z3PK 10200.
Z3PK10200DH	200	10	250	0.10	10	0.82	Z3PK 10200D.



10 AMPERE / Z3PAK-T (Equivalent to TO-277A) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3TPK1045RH	45	10	300	0.25	10	0.47	Z3TPK 1045.
-------------	----	----	-----	------	----	------	-------------

New Product

ZPAK™ HIGH THERMAL PERFORMANCE SCHOTTKEY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW

10 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z5TPK1045MH *	45	10	300	0.10	10	0.55	Z5TPK 1045M.
---------------	----	----	-----	------	----	------	--------------

NOTE : " * " The objective specification for product development, spec is subject to change, please contact ZOWIE for update.

NEW

10 AMPERE / Z6PAK (Equivalent to DPAK / TO-252) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z6PK1045MH *	45	10	300	0.10	10	0.55	Z6PK 1045M.
--------------	----	----	-----	------	----	------	-------------

NOTE : " * " The objective specification for product development, spec is subject to change, please contact ZOWIE for update.

NEW

Low VF

12 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK12100LH	100	12	180	0.15	12	0.71	Z3PK 11200L.
-------------	-----	----	-----	------	----	------	--------------

NEW

15 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK1545TH	45	15	300	0.02	15	0.62	Z3PK 1545T.
------------	----	----	-----	------	----	------	-------------

NEW

20 AMPERE / Z3PAK (Equivalent to TO-277) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z3PK2045H	45	20	300	0.10	20	0.64	Z3PK 2045.
Z3PK2060H	60	20	300	0.10	20	0.72	Z3PK 2060.
Z3PK20100H	100	20	300	0.10	20	0.83	Z3PK 20100.
Z3PK20150H	150	20	280	0.10	20	0.91	Z3PK 20150.
Z3PK20200H	200	20	280	0.10	20	0.93	Z3PK 20200.

NEW

30 AMPERE / Z5PAK-T (Equivalent to DO-214AB / SMC) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z5TPK30100H	100	30	350	0.05	30	0.85	Z5TPK 30100.
-------------	-----	----	-----	------	----	------	--------------

NEW

30 AMPERE / Z6PAK (Equivalent to DPAK / TO-252) / Halogen-free ZPAK™ (High Thermal Performance Package)



Z6PK30100H *	100	30	350	0.05	30	0.85	Z6PK 30100.
--------------	-----	----	-----	------	----	------	-------------

NOTE : " * " The objective specification for product development, spec is subject to change, please contact ZOWIE for update.



ZPAK™ HIGH THERMAL PERFORMANCE BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	



2.0 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP20JH	600	2.0	50	5.0	2.0	1.00	Z4GP20J.
Z4GP20KH	800	2.0	50	5.0	2.0	1.00	Z4GP20K.
Z4GP20MH	1000	2.0	50	5.0	2.0	1.00	Z4GP20M.



Low VF

2.0 AMPERE / Z4PAK / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP20JLH	600	2.0	60	5.0	2.0	0.95	Z4GP20JL.
Z4GP20KLH	800	2.0	60	5.0	2.0	0.95	Z4GP20KL.
Z4GP20MLH	1000	2.0	60	5.0	2.0	0.95	Z4GP20ML.



4.0 AMPERE / Z4PAK-D / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP40JH	600	4.0	150	5.0	4.0	1.00	Z4GP40JL.
Z4GP40KH	800	4.0	150	5.0	4.0	1.00	Z4GP40KL.
Z4GP40MH	1000	4.0	150	5.0	4.0	1.00	Z4GP40ML.



Low VF

4.0 AMPERE / Z4PAK-D / Halogen-free

ZPAK™ (High Thermal Performance Package)



PATENTED

Z4GP40JLH	600	4.0	150	5.0	2.0	0.90	Z4GP40JL.
Z4GP40KLH	800	4.0	150	5.0	2.0	0.90	Z4GP40KL.
Z4GP40MLH	1000	4.0	150	5.0	2.0	0.90	Z4GP40ML.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.1 AMPERE / SOD-723 / Halogen-free

RB520G-30GH	30	0.10	0.5	0.5 (@V _R 10V)	0.01	0.45	E
-------------	----	------	-----	---------------------------	------	------	---

0.1 AMPERE / SOD-723 / Halogen-free

RB521G-30GH	30	0.10	0.5	0.5 (@V _R 10V)	0.01	0.35	F
-------------	----	------	-----	---------------------------	------	------	---

0.1 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

USCD012H	20	0.1	2.0	0.05	0.1	0.40	20 40
USCD014H	40	0.1	2.0	0.05	0.1	0.40	

NEW

0.1 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

AUUSCD012H	20	0.1	2.0	0.05	0.1	0.40	20 40
AUUSCD014H	40	0.1	2.0	0.05	0.1	0.40	

NOTE : Comply with AEC-Q101

0.1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

MSCD012H	20	0.1	2.0	0.03	0.1	0.45	20 40 41
MSCD014H	40	0.1	2.0	0.03	0.1	0.50	
MSCD014RH	40	0.1	0.5	0.0005 *	0.001	0.35	

NOTE : * * * At 30 V Reverse Voltage.

NEW

0.1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

AUMSCD012H	20	0.1	2.0	0.03	0.1	0.45	20 40
AUMSCD014H	40	0.1	2.0	0.03	0.1	0.50	

NOTE : Comply with AEC-Q101

0.2 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

USCD022H	20	0.2	2.0	0.05	0.2	0.45	20 40 40 41
USCD024H	40	0.2	2.0	0.05	0.2	0.45	
USCD024RH	40	0.2	2.0	0.001	0.2	0.45	
USCD024TH	40	0.2	2.0	0.0005 *	0.2	0.65	

NOTE : * * * At 10 V Reverse Voltage.

NEW

0.2 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

AUUSCD022H	20	0.2	2.0	0.05	0.2	0.45	20 40
AUUSCD024H	40	0.2	2.0	0.05	0.2	0.45	

NOTE : Comply with AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.2 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

MSCD022H	20	0.2	2.0	0.005 *	0.2	0.45	D 20
MSCD024H	40	0.2	2.0	0.005 *	0.2	0.50	D 40

NOTE : * * * At 3 V Reverse Voltage.

0.3 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

USCD032H	20	0.3	2.0	0.05	0.3	0.50	2C 40
USCD034H	40	0.3	2.0	0.05	0.3	0.50	2C 40
USCD034RH	40	0.3	2.0	0.001 *	0.001	0.37	4C1

NOTE : * * * At 10 V Reverse Voltage.

NEW
0.3 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

AUUSCD032H	20	0.3	2.0	0.05	0.3	0.50	2C 40
AUUSCD034H	40	0.3	2.0	0.05	0.3	0.50	2C 40

NOTE : Comply with AEC-Q101

0.3 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

MSCD032H	20	0.3	2.0	0.05	0.3	0.50	2C 40
MSCD034H	40	0.3	2.0	0.05	0.3	0.50	2C 40
MSCD036H	60	0.3	2.0	0.05	0.3	0.65	2C 40

NEW
0.5 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

USCD052H	20	0.5	5.0	0.05	0.5	0.50	2B 3B
USCD053H	30	0.5	5.0	0.05	0.5	0.50	2B 3B

NEW
0.5 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free Superchip **PATENTED**

AUUSCD054H	40	0.5	5.0	0.05	0.5	0.50	4B
------------	----	-----	-----	------	-----	------	----

NOTE : Comply with AEC-Q101

0.5 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

MSCD052H	20	0.5	5.0	0.10	0.5	0.44	2B 3B
MSCD053H	30	0.5	5.0	0.10	0.5	0.46	2B 3B
MSCD053RH	30	0.5	3.0	0.005	0.5	0.50	2B 3B
MSCD054H	40	0.5	5.0	0.10	0.5	0.48	2B 3B

NEW
0.5 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip **PATENTED**

AUMSCD052H	20	0.5	5.0	0.10	0.5	0.44	2B 3B
AUMSCD053H	30	0.5	5.0	0.10	0.5	0.46	2B 3B
AUMSCD054H	40	0.5	5.0	0.10	0.5	0.48	2B 3B

NOTE : Comply with AEC-Q101

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

0.5 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD052SH	20	0.5	15	0.05	0.5	0.42	B2S
SSCD054SH	40	0.5	15	0.05	0.5	0.48	B4S
SSCD056SH	60	0.5	15	0.05	0.5	0.55	B6S

0.5 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD052H	20	0.5	15	0.05	0.5	0.42	B2.
SSCD052TH	20	0.5	15	0.20	0.5	0.38	B2T
SSCD054H	40	0.5	15	0.05	0.5	0.48	B4.

0.5 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

AUSSCD052H	20	0.5	15	0.05	0.5	0.42	.B2.
AUSSCD054H	40	0.5	15	0.05	0.5	0.48	.B4.

NOTE : Comply with AEC-Q101

1.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip

PATENTED

MSCD102H	20	1.0	10	0.20	1.0	0.45	A ₂ .
MSCD104H	40	1.0	10	0.20	1.0	0.50	A ₄ .
MSCD104RH	40	1.0	10	0.05	1.0	0.55	A ₄ 1.
MSCD106H	60	1.0	10	0.20	1.0	0.65	A ₆ .
MSCD106RH	60	1.0	10	0.05	1.0	0.70	A ₆ 1.

1.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip

PATENTED

AUMSCD102H	20	1.0	10	0.20	1.0	0.45	A ₂ .
AUMSCD104H	40	1.0	10	0.20	1.0	0.50	A ₄ .
AUMSCD106H	60	1.0	10	0.20	1.0	0.65	A ₆ .

NOTE : Comply with AEC-Q101

1.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip

PATENTED

MSCD102LH	20	1.0	10	1.0	1.0	0.38	A ₂ L.
MSCD104LH	40	1.0	10	1.0	1.0	0.38	A ₄ L.

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD102SH	20	1.0	20	0.20	1.0	0.50	A2S
SSCD103PSH	30	1.0	25	0.50	1.0	0.39	A3PS
SSCD104SH	40	1.0	20	0.20	1.0	0.50	A4S
SSCD104RSH	40	1.0	20	0.05	1.0	0.55	A4RS
SSCD104TSH	40	1.0	25	0.20	1.0	0.45	A4TS
SSCD106SH	60	1.0	20	0.20	1.0	0.70	A6S
SSCD110SH	100	1.0	20	0.20	1.0	0.85	A10S

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW Low VF

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD102LSH	20	1.0	25	1.0	1.0	0.38	A2 LS.
SSCD104LSH	40	1.0	25	1.0	1.0	0.38	A4 LS.

1.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD102H	20	1.0	20	0.20	1.0	0.50	A2.
SSCD104H	40	1.0	20	0.20	1.0	0.50	A4.
SSCD104RH	40	1.0	20	0.05	1.0	0.55	A4 R.
SSCD104TH	40	1.0	25	0.20	1.0	0.45	A4T.
SSCD106H	60	1.0	20	0.20	1.0	0.70	A6.
SSCD110H	100	1.0	20	0.20	1.0	0.85	A10.
SSCD115H	150	1.0	20	0.05	1.0	0.88	A15.
SSCD120H	200	1.0	20	0.05	1.0	0.90	A20.

NEW

1.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

AUSSCD102H	20	1.0	20	0.20	1.0	0.50	.A2.
AUSSCD104H	40	1.0	20	0.20	1.0	0.50	.A4.
AUSSCD106H	60	1.0	20	0.20	1.0	0.70	.A6.
AUSSCD110H	100	1.0	20	0.20	1.0	0.85	.A10.

NOTE : Comply with AEC-Q101

Low VF

1.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD102LH	20	1.0	25	1.0	1.0	0.38	A2L.
SSCD104LH	40	1.0	25	1.0	1.0	0.38	A4L.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

SCD5817H	20	1.0	30	0.5	1.0	0.45	58 17.
SCD5818H	30	1.0	30	0.5	1.0	0.55	58 18.
SCD5819H	40	1.0	30	0.5	1.0	0.60	58 19.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

SCD12H	20	1.0	30	0.20	1.0	0.50	SCD 12.
SCD14H	40	1.0	30	0.20	1.0	0.50	SCD 14.
SCD14RH	40	1.0	30	0.05	1.0	0.55	SCD 14R.
SCD16H	60	1.0	30	0.20	1.0	0.70	SCD 16.
SCD110H	100	1.0	30	0.20	1.0	0.85	SCD 110.
SCD115H	150	1.0	30	0.05	1.0	0.88	SCD 115.
SCD120H	200	1.0	30	0.05	1.0	0.90	SCD 120.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free

Superchip

PATENTED

AUSCD12H	20	1.0	30	0.2	1.0	0.50	SCD 12.
AUSCD14H	40	1.0	30	0.2	1.0	0.50	SCD 14.
AUSCD16H	60	1.0	30	0.2	1.0	0.70	SCD 16.
AUSCD110H	100	1.0	30	0.2	1.0	0.85	SCD 110.

NOTE : Comply with AEC-Q101

Low VF

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free

Superchip

PATENTED

SCD12LH	20	1.0	30	1.0	1.0	0.38	SCD 12L.
SCD14LH	40	1.0	30	1.0	1.0	0.38	SCD 14L.
SCD16LH	60	1.0	30	1.0	1.0	0.55	SCD 16L.

2.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free

Superchip

PATENTED

MSCD202H	20	2.0	10	0.05	1.0	0.45	L 2.
MSCD204H	40	2.0	10	0.05	1.0	0.50	L 4.

NEW

2.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free

Superchip

PATENTED

AUMSCD202H	20	2.0	10	0.05	1.0	0.45	L 2.
AUMSCD204H	40	2.0	10	0.05	1.0	0.50	L 4.

NOTE : Comply with AEC-Q101

2.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free

Superchip

PATENTED

SSCD202SH	20	2.0	40	0.2	2.0	0.50	L2S
SSCD204SH	40	2.0	40	0.2	2.0	0.50	L4S
SSCD206SH	60	2.0	40	0.2	2.0	0.70	L6S
SSCD210SH	100	2.0	40	0.2	2.0	0.85	L10S

NOTE : Suffix " S " for thin flat package

2.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free

Superchip

PATENTED

SSCD202H	20	2.0	40	0.2	2.0	0.50	L2.
SSCD204H	40	2.0	40	0.2	2.0	0.50	L4.
SSCD206H	60	2.0	40	0.2	2.0	0.70	L6.
SSCD210H	100	2.0	40	0.2	2.0	0.85	L10.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW
2.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip
 **PATENTED**

AUSSCD202H	20	2.0	40	0.2	2.0	0.50	.L2.
AUSSCD204H	40	2.0	40	0.2	2.0	0.50	.L4.
AUSSCD206H	60	2.0	40	0.2	2.0	0.70	.L6.
AUSSCD210H	100	2.0	40	0.2	2.0	0.85	.L10.

NOTE : Comply with AEC-Q101

Low VF
2.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free Superchip
 **PATENTED**

SSCD202LH	20	2.0	40	1.0	2.0	0.40	L2L.
SSCD204LH	40	2.0	40	1.0	2.0	0.40	L4L.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip
 **PATENTED**

SCD22H	20	2.0	50	0.2	2.0	0.50	SCD 22.
SCD24H	40	2.0	50	0.2	2.0	0.50	SCD 24.
SCD24DH	40	2.0	50	0.15	2.0	0.47	SCD 24D.
SCD26H	60	2.0	50	0.2	2.0	0.70	SCD 26.
SCD210H	100	2.0	50	0.2	2.0	0.85	SCD 210.
SCD215H	150	2.0	50	0.05	2.0	0.88	SCD 215.
SCD220H	200	2.0	50	0.05	2.0	0.90	SCD 220.

NEW
2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip
 **PATENTED**

AUSCD22H	20	2.0	50	0.2	2.0	0.50	SCD 22.
AUSCD24H	40	2.0	50	0.2	2.0	0.50	SCD 24.
AUSCD26H	60	2.0	50	0.2	2.0	0.70	SCD 26.
AUSCD210H	100	2.0	50	0.2	2.0	0.85	SCD 210.

NOTE : Comply with AEC-Q101

Low VF
2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip
 **PATENTED**

SCD22LH	20	2.0	50	1.0	2.0	0.40	SCD 22L.
SCD24LH	40	2.0	50	1.0	2.0	0.40	SCD 24L.

NEW
2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip
 **PATENTED**

BSCD22H	20	2.0	50	0.2	2.0	0.50	BSCD 22.
BSCD24H	40	2.0	50	0.2	2.0	0.50	BSCD 24.
BSCD26H	60	2.0	50	0.2	2.0	0.70	BSCD 26.
BSCD210H	100	2.0	50	0.2	2.0	0.85	BSCD 210.

NEW
3.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip
 **PATENTED**

MSCD302H	20	3.0	10	0.05	1.0	0.45	K 2.
MSCD304H	40	3.0	10	0.05	1.0	0.50	K 4.
MSCD306H	60	3.0	10	0.05	1.0	0.65	K 6.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW

3.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free Superchip

PATENTED

AUMSCD302H	20	3.0	10	0.05	1.0	0.45	K .2.
AUMSCD304H	40	3.0	10	0.05	1.0	0.50	K .4.
AUMSCD306H	60	3.0	10	0.05	1.0	0.65	K .6.

NOTE : Comply with AEC-Q101

3.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip

PATENTED

SSCD304SH	40	3.0	40	0.2	3.0	0.55	K4S
SSCD306SH	60	3.0	40	0.2	3.0	0.80	K6S

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

SCD32H	20	3.0	80	0.20	3.0	0.50	SCD 32.
SCD34H	40	3.0	80	0.20	3.0	0.50	SCD 34.
SCD34DH	40	3.0	80	0.15	3.0	0.50	SCD 34D.
SCD34MH	40	3.0	80	0.05	3.0	0.55	SCD 34M.
SCD345H	45	3.0	80	0.20	3.0	0.50	SCD 345.
SCD36H	60	3.0	80	0.20	3.0	0.70	SCD 36.
SCD36RH	60	3.0	80	0.05	3.0	0.70	SCD 36R.
SCD310H	100	3.0	80	0.20	3.0	0.85	SCD 310.
SCD315H	150	3.0	80	0.05	3.0	0.88	SCD 315.
SCD320H	200	3.0	80	0.05	3.0	0.90	SCD 320.

NEW

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

AUSCD32H	20	3.0	80	0.2	3.0	0.50	SCD 32.
AUSCD34H	40	3.0	80	0.2	3.0	0.50	SCD 34.
AUSCD36H	60	3.0	80	0.2	3.0	0.70	SCD 36.
AUSCD310H	100	3.0	80	0.2	3.0	0.85	SCD 310.

NOTE : Comply with AEC-Q101

NEW

Low VF/Low IR

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

SCD33PH	30	3.0	70	0.2	3.0	0.44	SCD 33P.
---------	----	-----	----	-----	-----	------	-------------

Low VF

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip

PATENTED

SCD32LH	20	3.0	80	1.0	3.0	0.42	SCD 32L.
SCD34LH	40	3.0	80	1.0	3.0	0.42	SCD 34L.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free

Superchip



PATENTED

BSCD32H	20	3.0	80	0.5	3.0	0.50	BSCD 32*
BSCD34H	40	3.0	80	0.5	3.0	0.50	BSCD 34*
BSCD36H	60	3.0	80	0.5	3.0	0.70	BSCD 36*
BSCD310H	100	3.0	80	0.5	3.0	0.85	BSCD 310*

3.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free

Superchip



PATENTED

CSCD32H	20	3.0	100	0.5	3.0	0.50	CSCD 32*
CSCD34H	40	3.0	100	0.5	3.0	0.50	CSCD 34*
CSCD36H	60	3.0	100	0.5	3.0	0.70	CSCD 36*
CSCD310H	100	3.0	100	0.5	3.0	0.85	CSCD 310*

5.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free

Superchip



PATENTED

SCD53H	30	5.0*	80	0.2	3.0	0.44	SCD 53*
SCD54H	40	5.0	70	0.2	5.0	0.54	SCD 54*
SCD545H	45	5.0	100	0.2	5.0	0.54	SCD 545*

NOTE : * * * At T_c 83°C

5.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free

Superchip



PATENTED

BSCD54H	40	5.0	105	0.5	5.0	0.55	BSCD 54*
BSCD54DH	40	5.0	120	0.5	5.0	0.46	BSCD 54D*
BSCD56H	60	5.0	105	0.5	5.0	0.70	BSCD 56*
BSCD510H	100	5.0	105	0.5	5.0	0.85	BSCD 510*

5.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free

Superchip



PATENTED

CSCD52H	20	5.0	130	0.5	5.0	0.55	CSCD 52*
CSCD54H	40	5.0	130	0.5	5.0	0.55	CSCD 54*
CSCD56H	60	5.0	130	0.5	5.0	0.70	CSCD 56*
CSCD510H	100	5.0	130	0.5	5.0	0.85	CSCD 510*

8.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free

Superchip



PATENTED

BSCD84H	40	8.0	135	0.5	8.0	0.55	BSCD 84*
---------	----	-----	-----	-----	-----	------	-------------

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	V _F	V _F	
	V	A	A	mA	A	V	

1.0 AMPERE / DO-214AC (SMA)



SS12	20	1.0	30	0.5	1.0	0.50	SS12
SS14	40	1.0	30	0.5	1.0	0.50	SS14
SS16	60	1.0	30	0.5	1.0	0.70	SS16
SS110	100	1.0	30	0.5	1.0	0.85	SS110

1.0 AMPERE / DO-214AC (SMA) / Halogen-free



SS12H	20	1.0	30	0.5	1.0	0.50	SS12.
SS14H	40	1.0	30	0.5	1.0	0.50	SS14.
SS16H	60	1.0	30	0.5	1.0	0.70	SS16.
SS110H	100	1.0	30	0.5	1.0	0.85	SS110.

1.0 AMPERE / DO-204AL (DO-41)



1N5817	20	1.0	25	1.0	1.0	0.45	1N5817
1N5818	30	1.0	25	1.0	1.0	0.55	1N5818
1N5819	40	1.0	25	1.0	1.0	0.60	1N5819

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free



1N5817H	20	1.0	25	1.0	1.0	0.45	1N5817.
1N5818H	30	1.0	25	1.0	1.0	0.55	1N5818.
1N5819H	40	1.0	25	1.0	1.0	0.60	1N5819.

1.0 AMPERE / DO-204AL (DO-41)



SB120	20	1.0	30	0.5	1.0	0.50	SB120
SB140	40	1.0	30	0.5	1.0	0.50	SB140
SB160	60	1.0	30	0.5	1.0	0.70	SB160
SB1100	100	1.0	30	0.5	1.0	0.85	SB110

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free



SB120H	20	1.0	30	0.5	1.0	0.50	SB120.
SB140H	40	1.0	30	0.5	1.0	0.50	SB140.
SB160H	60	1.0	30	0.5	1.0	0.70	SB160.
SB1100H	100	1.0	30	0.5	1.0	0.85	SB110.

2.0 AMPERE / DO-214AC (SMA)



SS22	20	2.0	50	0.5	2.0	0.50	SS22
SS24	40	2.0	50	0.5	2.0	0.50	SS24
SS26	60	2.0	50	0.5	2.0	0.70	SS26
SS210	100	2.0	50	0.5	2.0	0.85	SS210

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

2.0 AMPERE / DO-214AC (SMA) / Halogen-free



SS22H	20	2.0	50	0.5	2.0	0.50	SS22.
SS24H	40	2.0	50	0.5	2.0	0.50	SS24.
SS26H	60	2.0	50	0.5	2.0	0.70	SS26.
SS210H	100	2.0	50	0.5	2.0	0.85	SS210.

2.0 AMPERE / DO-204AL (DO-41)



SB220	20	2.0	50	0.5	2.0	0.50	SB220
SB240	40	2.0	50	0.5	2.0	0.50	SB240
SB260	60	2.0	50	0.5	2.0	0.70	SB260
SB2100	100	2.0	50	0.5	2.0	0.85	SB2100

2.0 AMPERE / DO-204AL (DO-41) / Halogen-free



SB220H	20	2.0	50	0.5	2.0	0.50	SB220.
SB240H	40	2.0	50	0.5	2.0	0.50	SB240.
SB260H	60	2.0	50	0.5	2.0	0.70	SB260.
SB2100H	100	2.0	50	0.5	2.0	0.85	SB2100.

3.0 AMPERE / DO-214AA (SMB)



SS32	20	3.0	80	0.5	3.0	0.50	SS32
SS34	40	3.0	80	0.5	3.0	0.50	SS34
SS36	60	3.0	80	0.5	3.0	0.70	SS36
SS310	100	3.0	80	0.5	3.0	0.85	SS310

3.0 AMPERE / DO-214AA (SMB) / Halogen-free



SS32H	20	3.0	80	0.5	3.0	0.50	SS32.
SS34H	40	3.0	80	0.5	3.0	0.50	SS34.
SS36H	60	3.0	80	0.5	3.0	0.70	SS36.
SS310H	100	3.0	80	0.5	3.0	0.85	SS310.

3.0 AMPERE / DO-214AB (SMC)



SC32	20	3.0	100	0.5	3.0	0.50	SC32
SC34	40	3.0	100	0.5	3.0	0.50	SC34
SC36	60	3.0	100	0.5	3.0	0.70	SC36
SC310	100	3.0	100	0.5	3.0	0.85	SC310

3.0 AMPERE / DO-214AB (SMC) / Halogen-free



SC32H	20	3.0	100	0.5	3.0	0.50	SC32.
SC34H	40	3.0	100	0.5	3.0	0.50	SC34.
SC36H	60	3.0	100	0.5	3.0	0.70	SC36.
SC310H	100	3.0	100	0.5	3.0	0.85	SC310.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

3.0 AMPERE / DO-201AD (DO-27)



1N5820	20	3.0	80	2.0	3.0	0.475	1N5820
1N5821	30	3.0	80	2.0	3.0	0.500	1N5821
1N5822	40	3.0	80	2.0	3.0	0.525	1N5822

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free



1N5820H	20	3.0	80	2.0	3.0	0.475	1N5820.
1N5821H	30	3.0	80	2.0	3.0	0.500	1N5821.
1N5822H	40	3.0	80	2.0	3.0	0.525	1N5822.

3.0 AMPERE / DO-201AD (DO-27)



SB320	20	3.0	80	0.5	3.0	0.50	SB320
SB340	40	3.0	80	0.5	3.0	0.50	SB340
SB360	60	3.0	80	0.5	3.0	0.70	SB360
SB3100	100	3.0	80	0.5	3.0	0.85	SB3100

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free



SB320H	20	3.0	80	0.5	3.0	0.50	SB320.
SB340H	40	3.0	80	0.5	3.0	0.50	SB340.
SB360H	60	3.0	80	0.5	3.0	0.70	SB360.
SB3100H	100	3.0	80	0.5	3.0	0.85	SB3100.

5.0 AMPERE / DO-214AB (SMC)



SC52	20	5.0	125	0.5	5.0	0.55	SC52
SC54	40	5.0	125	0.5	5.0	0.55	SC54
SC56	60	5.0	125	0.5	5.0	0.70	SC56
SC510	100	5.0	125	0.5	5.0	0.85	SC510

5.0 AMPERE / DO-214AB (SMC) / Halogen-free



SC52H	20	5.0	125	0.5	5.0	0.55	SC52.
SC54H	40	5.0	125	0.5	5.0	0.55	SC54.
SC56H	60	5.0	125	0.5	5.0	0.70	SC56.
SC510H	100	5.0	125	0.5	5.0	0.85	SC510.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

5.0 AMPERE / DO-201AD (DO-27)



SB520	20	5.0	150	0.5	5.0	0.55	SB520
SB540	40	5.0	150	0.5	5.0	0.55	SB540
SB560	60	5.0	150	0.5	5.0	0.70	SB560
SB5100	100	5.0	150	0.5	5.0	0.85	SB5100

5.0 AMPERE / DO-201AD (DO-27) / Halogen-free



SB520H	20	5.0	150	0.5	5.0	0.55	SB520.
SB540H	40	5.0	150	0.5	5.0	0.55	SB540.
SB560H	60	5.0	150	0.5	5.0	0.70	SB560.
SB5100H	100	5.0	150	0.5	5.0	0.85	SB5100.

8.0 AMPERE / DO-201AD (DO-27)



SB840	40	8.0	175	0.5	8.0	0.55	SB840
SB860	60	8.0	175	0.5	8.0	0.70	SB860

8.0 AMPERE / DO-201AD (DO-27) / Halogen-free



SB840H	40	8.0	175	0.5	8.0	0.55	SB840.
SB860H	60	8.0	175	0.5	8.0	0.70	SB860.

New Product

SCHOTTKY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

NEW

1.0 AMPERE / MBC / Halogen-free Superchip



PATENTED

SMBC104H	40	1.0	30	0.2	1.0	0.50	SMBC 104.
SMBC106H	60	1.0	30	0.2	1.0	0.70	SMBC 106.
SMBC110H	100	1.0	30	0.2	1.0	0.85	SMBC 110.

NEW

Low VF

1.0 AMPERE / MBC / Halogen-free Superchip



PATENTED

SMBC104LH	40	1.0	30	1.0	1.0	0.38	SMBC 104L.
-----------	----	-----	----	-----	-----	------	------------

NEW

2.0 AMPERE / MBC / Halogen-free Superchip



PATENTED

SMBC204H	40	2.0	50	0.2	2.0	0.50	SMBC 204.
SMBC206H	60	2.0	50	0.2	2.0	0.70	SMBC 206.
SMBC210H	100	2.0	50	0.2	2.0	0.85	SMBC 210.

NEW

Low VF

2.0 AMPERE / MBC / Halogen-free Superchip



PATENTED

SMBC204LH	40	2.0	50	1.0	2.0	0.40	SMBC 204L.
-----------	----	-----	----	-----	-----	------	------------

TO-220 / ITO-220 SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	

10 AMPERE / TO-220AB / Halogen-free

SBL1040CTSH	40	10	150	0.20	5.0	0.55	SBL1040CTS.
SBL1045CTSH	45	10	150	0.20	5.0	0.55	SBL1045CTS.
SBL1060CTSH	60	10	150	0.20	5.0	0.70	SBL1060CTS.
MBR10100CTSH	100	10	150	0.01	5.0	0.82	MBR10100CTS.
MBR10150CTSH	150	10	175	0.005	5.0	0.88	MBR10150CTS.
MBR10200CTSH	200	10	175	0.005	5.0	0.90	MBR10200CTS.

10 AMPERE / ITO-220AB / Halogen-free

SBL1040CFSH	40	10	150	0.20	5.0	0.55	SBL1040CFS.
SBL1045CFSH	45	10	150	0.20	5.0	0.55	SBL1045CFS.
SBL1060CFSH	60	10	150	0.20	5.0	0.70	SBL1060CFS.
MBR10100CFSH	100	10	150	0.01	5.0	0.82	MBR10100CFS.
MBR10150CFSH	150	10	175	0.005	5.0	0.88	MBR10150CFS.
MBR10200CFSH	200	10	175	0.005	5.0	0.90	MBR10200CFS.

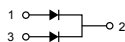
20 AMPERE / TO-220AB / Halogen-free

SBL2040CTSH	40	20	200	0.50	10	0.55	SBL2040CTS.
SBL2045CTSH	45	20	200	0.50	10	0.55	SBL2045CTS.
SBL2060CTSH	60	20	200	0.50	10	0.70	SBL2060CTS.
MBR20100CTSH	100	20	200	0.01	10	0.82	MBR20100CTS.
MBR20150CTSH	150	20	200	0.005	10	0.90	MBR20150CTS.
MBR20200CTSH	200	20	200	0.005	10	0.90	MBR20200CTS.

20 AMPERE / ITO-220AB / Halogen-free

SBL2040CFSH	40	20	200	0.50	10	0.55	SBL2040CFS.
SBL2045CFSH	45	20	200	0.50	10	0.55	SBL2045CFS.
SBL2060CFSH	60	20	200	0.50	10	0.70	SBL2060CFS.
MBR20100CFSH	100	20	200	0.01	10	0.82	MBR20100CFS.
MBR20150CFSH	150	20	200	0.005	10	0.90	MBR20150CFS.
MBR20200CFSH	200	20	200	0.005	10	0.90	MBR20200CFS.

NOTE : CKT connection of TO-220AB and ITO-220AB



TO-220 / ITO-220 SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	mA	A	V	



30 AMPERE / TO-220AB / Halogen-free

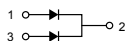
SBL3040CTSH	40	30	275	0.50	15	0.55	SBL3040CTS.
SBL3045CTSH	45	30	275	0.50	15	0.55	SBL3045CTS.
SBL3060CTSH	60	30	275	0.50	15	0.70	SBL3060CTS.
MBR30100CTSH	100	30	275	0.01	15	0.86	MBR30100CTS.
MBR30150CTSH	150	30	275	0.005	15	0.90	MBR30150CTS.
MBR30200CTSH	200	30	275	0.005	15	0.92	MBR30200CTS.



30 AMPERE / ITO-220AB / Halogen-free

SBL3040CFSH	40	30	275	0.50	15	0.55	SBL3040CFS.
SBL3045CFSH	45	30	275	0.50	15	0.55	SBL3045CFS.
SBL3060CFSH	60	30	275	0.50	15	0.70	SBL3060CFS.
MBR30100CFSH	100	30	275	0.01	15	0.86	MBR30100CFS.
MBR30150CFSH	150	30	275	0.005	15	0.90	MBR30150CFS.
MBR30200CFSH	200	30	275	0.005	15	0.92	MBR30200CFS.

NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

PATENTED

SGC10DH	200	1.0	15	2.0	1.0	1.00	10 DD.
SGC10GH	400	1.0	15	2.0	1.0	1.00	10 DG.
SGC10JH	600	1.0	15	2.0	1.0	1.00	10 DJ.
SGC10KH	800	1.0	15	2.0	1.0	1.00	10 DK.
SGC10MH	1000	1.0	15	2.0	1.0	1.00	10 DM.

Low VF

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

PATENTED

SGC10DLH	200	1.0	35	5.0	1.0	0.95	10 DL.
SGC10GLH	400	1.0	35	5.0	1.0	0.95	10 GL.
SGC10JLH	600	1.0	35	5.0	1.0	0.95	10 JL.
SGC10KLH	800	1.0	35	5.0	1.0	0.95	10 KL.
SGC10MLH	1000	1.0	35	5.0	1.0	0.95	10 ML.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

PATENTED

BYD17ZDH	200	1.0	30	1.0	1.0	1.00	17 ZD.
BYD17ZGH	400	1.0	30	1.0	1.0	1.00	17 ZG.
BYD17ZJH	600	1.0	30	1.0	1.0	1.00	17 ZJ.
BYD17ZKH	800	1.0	30	1.0	1.0	1.00	17 ZK.
BYD17ZMH	1000	1.0	30	1.0	1.0	1.00	17 ZM.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

PATENTED

AUBYD17ZDH	200	1.0	30	1.0	1.0	1.00	17 .ZD.
AUBYD17ZGH	400	1.0	30	1.0	1.0	1.00	17 .ZG.
AUBYD17ZJH	600	1.0	30	1.0	1.0	1.00	17 .ZJ.
AUBYD17ZKH	800	1.0	30	1.0	1.0	1.00	17 .ZK.
AUBYD17ZMH	1000	1.0	30	1.0	1.0	1.00	17 .ZM.

NOTE : Comply with AEC-Q101

Low VF

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

PATENTED

BYD17ZDLH	200	1.0	40	5.0	1.0	0.93	17 ZDL.
BYD17ZGLH	400	1.0	40	5.0	1.0	0.93	17 ZGL.
BYD17ZJLH	600	1.0	40	5.0	1.0	0.93	17 ZJL.
BYD17ZKLH	800	1.0	40	5.0	1.0	0.93	17 ZKL.
BYD17ZMLH	1000	1.0	40	5.0	1.0	0.93	17 ZML.

Low VF

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

PATENTED

AUBYD17ZDLH	200	1.0	40	5.0	1.0	0.93	17 ZDL.
AUBYD17ZGLH	400	1.0	40	5.0	1.0	0.93	17 ZGL.
AUBYD17ZJLH	600	1.0	40	5.0	1.0	0.93	17 ZJL.
AUBYD17ZKLH	800	1.0	40	5.0	1.0	0.93	17 ZKL.
AUBYD17ZMLH	1000	1.0	40	5.0	1.0	0.93	17 ZML.

NOTE : Comply with AEC-Q101

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



GC10DH	200	1.0	30	5.0	1.0	1.00	GC 10D.
GC10GH	400	1.0	30	5.0	1.0	1.00	GC 10G.
GC10JH	600	1.0	30	5.0	1.0	1.00	GC 10J.
GC10KH	800	1.0	30	5.0	1.0	1.00	GC 10K.
GC10MH	1000	1.0	30	5.0	1.0	1.00	GC 10M.

Low VF

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



GC10DLH	200	1.0	40	5.0	1.0	0.93	GC 10DL.
GC10GLH	400	1.0	40	5.0	1.0	0.93	GC 10GL.
GC10JLH	600	1.0	40	5.0	1.0	0.93	GC 10JL.
GC10KLH	800	1.0	40	5.0	1.0	0.93	GC 10KL.
GC10MLH	1000	1.0	40	5.0	1.0	0.93	GC 10ML.

1.0 AMPERE / R-1 Superex II



G110D	200	1.0	25	5.0	1.0	1.00	G1D
G110G	400	1.0	25	5.0	1.0	1.00	G1G
G110J	600	1.0	25	5.0	1.0	1.00	G1J
G110K	800	1.0	25	5.0	1.0	1.00	G1K
G110M	1000	1.0	25	5.0	1.0	1.00	G1M

1.0 AMPERE / R-1 / Halogen-free Superex II



G110DH	200	1.0	25	5.0	1.0	1.00	G1D.
G110GH	400	1.0	25	5.0	1.0	1.00	G1G.
G110JH	600	1.0	25	5.0	1.0	1.00	G1J.
G110KH	800	1.0	25	5.0	1.0	1.00	G1K.
G110MH	1000	1.0	25	5.0	1.0	1.00	G1M.

Low VF

1.0 AMPERE / R-1 Superex II



G110DL	200	1.0	30	5.0	1.0	0.92	G1DL
G110GL	400	1.0	30	5.0	1.0	0.92	G1GL
G110JL	600	1.0	30	5.0	1.0	0.92	G1JL
G110KL	800	1.0	30	5.0	1.0	0.93	G1KL
G110ML	1000	1.0	30	5.0	1.0	0.93	G1ML

Low VF

1.0 AMPERE / R-1 / Halogen-free Superex II



G110DLH	200	1.0	30	5.0	1.0	0.92	G1DL.
G110GLH	400	1.0	30	5.0	1.0	0.92	G1GL.
G110JLH	600	1.0	30	5.0	1.0	0.92	G1JL.
G110KLH	800	1.0	30	5.0	1.0	0.93	G1KL.
G110MLH	1000	1.0	30	5.0	1.0	0.93	G1ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1.0 AMPERE / DO-204AL (DO-41) Superex II


PATENTED

GP10D	200	1.0	30	5.0	1.0	1.00	GP10D
GP10G	400	1.0	30	5.0	1.0	1.00	GP10G
GP10J	600	1.0	30	5.0	1.0	1.00	GP10J
GP10K	800	1.0	30	5.0	1.0	1.00	GP10K
GP10M	1000	1.0	30	5.0	1.0	1.00	GP10M
GP10Q	1200	1.0	30	5.0	1.0	1.25	GP10Q
GP10V	1400	1.0	30	5.0	1.0	1.25	GP10V
GP10Y	1600	1.0	30	5.0	1.0	1.25	GP10Y
GP02-20	2000	1.0	30	5.0	1.0	2.00	GP02-20

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II


PATENTED

GP10DH	200	1.0	30	5.0	1.0	1.00	GP10D.
GP10GH	400	1.0	30	5.0	1.0	1.00	GP10G.
GP10JH	600	1.0	30	5.0	1.0	1.00	GP10J.
GP10KH	800	1.0	30	5.0	1.0	1.00	GP10K.
GP10MH	1000	1.0	30	5.0	1.0	1.00	GP10M.
GP10QH	1200	1.0	30	5.0	1.0	1.25	GP10Q.
GP10VH	1400	1.0	30	5.0	1.0	1.25	GP10V.
GP10YH	1600	1.0	30	5.0	1.0	1.25	GP10Y.
GP02-20H	2000	1.0	30	5.0	1.0	2.00	GP02-20.

Low VF

1.0 AMPERE / DO-204AL (DO-41) Superex II


PATENTED

GP10DL	200	1.0	50	5.0	1.0	0.90	GP10DL
GP10GL	400	1.0	50	5.0	1.0	0.90	GP10GL
GP10JL	600	1.0	50	5.0	1.0	0.90	GP10JL
GP10KL	800	1.0	50	5.0	1.0	0.92	GP10KL
GP10ML	1000	1.0	50	5.0	1.0	0.92	GP10ML

Low VF

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II


PATENTED

GP10DLH	200	1.0	50	5.0	1.0	0.90	GP10DL.
GP10GLH	400	1.0	50	5.0	1.0	0.90	GP10GL.
GP10JLH	600	1.0	50	5.0	1.0	0.90	GP10JL.
GP10KLH	800	1.0	50	5.0	1.0	0.92	GP10KL.
GP10MLH	1000	1.0	50	5.0	1.0	0.92	GP10ML.

1.0 AMPERE / DO-214AC (SMA) Superex II


PATENTED

GF10D	200	1.0	30	5.0	1.0	1.00	S10D
GF10G	400	1.0	30	5.0	1.0	1.00	S10G
GF10J	600	1.0	30	5.0	1.0	1.00	S10J
GF10K	800	1.0	30	5.0	1.0	1.00	S10K
GF10M	1000	1.0	30	5.0	1.0	1.00	S10M
GF10Q	1200	1.0	30	5.0	1.0	1.25	S10Q
GF10Y	1600	1.0	30	5.0	1.0	1.25	S10Y
GF02-20	2000	1.0	30	5.0	1.0	2.00	S02-20

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

1.0 AMPERE / DO-214AC (SMA) / Halogen-free Superex II

 **PATENTED**

GF10DH	200	1.0	30	5.0	1.0	1.00	S10D.
GF10GH	400	1.0	30	5.0	1.0	1.00	S10G.
GF10JH	600	1.0	30	5.0	1.0	1.00	S10J.
GF10KH	800	1.0	30	5.0	1.0	1.00	S10K.
GF10MH	1000	1.0	30	5.0	1.0	1.00	S10M.
GF10QH	1200	1.0	30	5.0	1.0	1.25	S10Q.
GF10YH	1600	1.0	30	5.0	1.0	1.25	S10Y.
GF02-20H	2000	1.0	30	5.0	1.0	2.00	S02-20.

Low VF

1.0 AMPERE / DO-214AC (SMA) Superex II

 **PATENTED**

GF10DL	200	1.0	50	5.0	1.0	0.91	S10DL
GF10GL	400	1.0	50	5.0	1.0	0.91	S10GL
GF10JL	600	1.0	50	5.0	1.0	0.91	S10JL
GF10KL	800	1.0	40	5.0	1.0	0.92	S10KL
GF10ML	1000	1.0	40	5.0	1.0	0.92	S10ML

Low VF

1.0 AMPERE / DO-214AC (SMA) / Halogen-free Superex II

 **PATENTED**

GF10DLH	200	1.0	50	5.0	1.0	0.91	S10DL.
GF10GLH	400	1.0	50	5.0	1.0	0.91	S10GL.
GF10JLH	600	1.0	50	5.0	1.0	0.91	S10JL.
GF10KLH	800	1.0	40	5.0	1.0	0.92	S10KL.
GF10MLH	1000	1.0	40	5.0	1.0	0.92	S10ML.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

GC20DH	200	2.0	50	5.0	2.0	1.00	GC 20D.
GC20GH	400	2.0	50	5.0	2.0	1.00	GC 20G.
GC20JH	600	2.0	50	5.0	2.0	1.00	GC 20J.
GC20KH	800	2.0	50	5.0	2.0	1.00	GC 20K.
GC20MH	1000	2.0	50	5.0	2.0	1.00	GC 20M.

Low VF

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

GC20DLH	200	2.0	65	5.0	2.0	0.93	GC 20DL.
GC20GLH	400	2.0	65	5.0	2.0	0.93	GC 20GL.
GC20JLH	600	2.0	65	5.0	2.0	0.93	GC 20JL.
GC20KLH	800	2.0	60	5.0	2.0	0.93	GC 20KL.
GC20MLH	1000	2.0	60	5.0	2.0	0.93	GC 20ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BGC20DH	200	2.0	50	5.0	2.0	1.00	BGC 20D.
BGC20GH	400	2.0	50	5.0	2.0	1.00	BGC 20G.
BGC20JH	600	2.0	50	5.0	2.0	1.00	BGC 20J.
BGC20KH	800	2.0	50	5.0	2.0	1.00	BGC 20K.
BGC20MH	1000	2.0	50	5.0	2.0	1.00	BGC 20M.

Low VF

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BGC20DLH	200	2.0	65	5.0	2.0	0.93	BGC 20DL.
BGC20GLH	400	2.0	65	5.0	2.0	0.93	BGC 20GL.
BGC20JLH	600	2.0	65	5.0	2.0	0.93	BGC 20JL.
BGC20KLH	800	2.0	60	5.0	2.0	0.93	BGC 20KL.
BGC20MLH	1000	2.0	60	5.0	2.0	0.93	BGC 20ML.

2.0 AMPERE / DO-204AC (DO-15) Superex II



GP20D	200	2.0	65	5.0	2.0	1.00	GP20D
GP20G	400	2.0	65	5.0	2.0	1.00	GP20G
GP20J	600	2.0	65	5.0	2.0	1.00	GP20J
GP20K	800	2.0	65	5.0	2.0	1.00	GP20K
GP20M	1000	2.0	65	5.0	2.0	1.00	GP20M

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free Superex II



GP20DH	200	2.0	65	5.0	2.0	1.00	GP20D.
GP20GH	400	2.0	65	5.0	2.0	1.00	GP20G.
GP20JH	600	2.0	65	5.0	2.0	1.00	GP20J.
GP20KH	800	2.0	65	5.0	2.0	1.00	GP20K.
GP20MH	1000	2.0	65	5.0	2.0	1.00	GP20M.

Low VF

2.0 AMPERE / DO-204AC (DO-15) Superex II



GP20DL	200	2.0	100	5.0	2.0	0.90	GP20DL
GP20GL	400	2.0	100	5.0	2.0	0.90	GP20GL
GP20JL	600	2.0	100	5.0	2.0	0.90	GP20JL
GP20KL	800	2.0	100	5.0	2.0	0.92	GP20KL
GP20ML	1000	2.0	100	5.0	2.0	0.92	GP20ML

Low VF

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free Superex II



GP20DLH	200	2.0	100	5.0	2.0	0.90	GP20DL.
GP20GLH	400	2.0	100	5.0	2.0	0.90	GP20GL.
GP20JLH	600	2.0	100	5.0	2.0	0.90	GP20JL.
GP20KLH	800	2.0	100	5.0	2.0	0.92	GP20KL.
GP20MLH	1000	2.0	100	5.0	2.0	0.92	GP20ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

2.0 AMPERE / DO-214AA (SMB) Superex II



GF20D	200	2.0	65	5.0	2.0	1.00	S20D
GF20G	400	2.0	65	5.0	2.0	1.00	S20G
GF20J	600	2.0	65	5.0	2.0	1.00	S20J
GF20K	800	2.0	65	5.0	2.0	1.00	S20K
GF20M	1000	2.0	65	5.0	2.0	1.00	S20M

2.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



GF20DH	200	2.0	65	5.0	2.0	1.00	S20D.
GF20GH	400	2.0	65	5.0	2.0	1.00	S20G.
GF20JH	600	2.0	65	5.0	2.0	1.00	S20J.
GF20KH	800	2.0	65	5.0	2.0	1.00	S20K.
GF20MH	1000	2.0	65	5.0	2.0	1.00	S20M.

Low VF

2.0 AMPERE / DO-214AA (SMB) Superex II



GF20DL	200	2.0	100	5.0	2.0	0.91	S20DL
GF20GL	400	2.0	100	5.0	2.0	0.91	S20GL
GF20JL	600	2.0	100	5.0	2.0	0.91	S20JL
GF20KL	800	2.0	75	5.0	2.0	0.92	S20KL
GF20ML	1000	2.0	75	5.0	2.0	0.92	S20ML

Low VF

2.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



GF20DLH	200	2.0	100	5.0	2.0	0.91	S20DL.
GF20GLH	400	2.0	100	5.0	2.0	0.91	S20GL.
GF20JLH	600	2.0	100	5.0	2.0	0.91	S20JL.
GF20KLH	800	2.0	75	5.0	2.0	0.92	S20KL.
GF20MLH	1000	2.0	75	5.0	2.0	0.92	S20ML.

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BGC30DH	200	3.0	95	5.0	3.0	1.00	BGC 30D.
BGC30GH	400	3.0	95	5.0	3.0	1.00	BGC 30G.
BGC30JH	600	3.0	95	5.0	3.0	1.00	BGC 30J.
BGC30KH	800	3.0	95	5.0	3.0	1.00	BGC 30K.
BGC30MH	1000	3.0	95	5.0	3.0	1.00	BGC 30M.

Low VF

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BGC30DLH	200	3.0	115	5.0	3.0	0.93	BGC 30DL.
BGC30GLH	400	3.0	115	5.0	3.0	0.93	BGC 30GL.
BGC30JLH	600	3.0	115	5.0	3.0	0.93	BGC 30JL.
BGC30KLH	800	3.0	110	5.0	3.0	0.93	BGC 30KL.
BGC30MLH	1000	3.0	110	5.0	3.0	0.93	BGC 30ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

3.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free Superchip Superex II



CGC30DH	200	3.0	100	5.0	3.0	1.00	CGC30D.
CGC30GH	400	3.0	100	5.0	3.0	1.00	CGC30G.
CGC30JH	600	3.0	100	5.0	3.0	1.00	CGC30J.
CGC30KH	800	3.0	100	5.0	3.0	1.00	CGC30K.
CGC30MH	1000	3.0	100	5.0	3.0	1.00	CGC30M.

Low VF

3.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free Superchip Superex II



CGC30DLH	200	3.0	120	5.0	3.0	0.93	CGC30DL.
CGC30GLH	400	3.0	120	5.0	3.0	0.93	CGC30GL.
CGC30JLH	600	3.0	120	5.0	3.0	0.93	CGC30JL.
CGC30KLH	800	3.0	120	5.0	3.0	0.93	CGC30KL.
CGC30MLH	1000	3.0	120	5.0	3.0	0.93	CGC30ML.

3.0 AMPERE / DO-201AD (DO-27) Superex II



GP30D	200	3.0	125	5.0	3.0	1.00	GP30D
GP30G	400	3.0	125	5.0	3.0	1.00	GP30G
GP30J	600	3.0	125	5.0	3.0	1.00	GP30J
GP30K	800	3.0	125	5.0	3.0	1.00	GP30K
GP30M	1000	3.0	125	5.0	3.0	1.00	GP30M

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



GP30DH	200	3.0	125	5.0	3.0	1.00	GP30D.
GP30GH	400	3.0	125	5.0	3.0	1.00	GP30G.
GP30JH	600	3.0	125	5.0	3.0	1.00	GP30J.
GP30KH	800	3.0	125	5.0	3.0	1.00	GP30K.
GP30MH	1000	3.0	125	5.0	3.0	1.00	GP30M.

Low VF

3.0 AMPERE / DO-201AD (DO-27) Superex II



GP30DL	200	3.0	140	5.0	3.0	0.90	GP30DL
GP30GL	400	3.0	140	5.0	3.0	0.90	GP30GL
GP30JL	600	3.0	140	5.0	3.0	0.90	GP30JL
GP30KL	800	3.0	140	5.0	3.0	0.92	GP30KL
GP30ML	1000	3.0	140	5.0	3.0	0.92	GP30ML

Low VF

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



GP30DLH	200	3.0	140	5.0	3.0	0.90	GP30DL.
GP30GLH	400	3.0	140	5.0	3.0	0.90	GP30GL.
GP30JLH	600	3.0	140	5.0	3.0	0.90	GP30JL.
GP30KLH	800	3.0	140	5.0	3.0	0.92	GP30KL.
GP30MLH	1000	3.0	140	5.0	3.0	0.92	GP30ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

3.0 AMPERE / DO-214AA (SMB)
Superex II



GF30D	200	3.0	115	5.0	3.0	1.00	S30D
GF30G	400	3.0	115	5.0	3.0	1.00	S30G
GF30J	600	3.0	115	5.0	3.0	1.00	S30J
GF30K	800	3.0	115	5.0	3.0	1.00	S30K
GF30M	1000	3.0	115	5.0	3.0	1.00	S30M

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II



GF30DH	200	3.0	115	5.0	3.0	1.00	S30D.
GF30GH	400	3.0	115	5.0	3.0	1.00	S30G.
GF30JH	600	3.0	115	5.0	3.0	1.00	S30J.
GF30KH	800	3.0	115	5.0	3.0	1.00	S30K.
GF30MH	1000	3.0	115	5.0	3.0	1.00	S30M.

Low VF

3.0 AMPERE / DO-214AA (SMB)
Superex II



GF30DL	200	3.0	140	5.0	3.0	0.91	S30DL
GF30GL	400	3.0	140	5.0	3.0	0.91	S30GL
GF30JL	600	3.0	140	5.0	3.0	0.91	S30JL
GF30KL	800	3.0	125	5.0	3.0	0.92	S30KL
GF30ML	1000	3.0	125	5.0	3.0	0.92	S30ML

Low VF

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II



GF30DLH	200	3.0	140	5.0	3.0	0.91	S30DL.
GF30GLH	400	3.0	140	5.0	3.0	0.91	S30GL.
GF30JLH	600	3.0	140	5.0	3.0	0.91	S30JL.
GF30KLH	800	3.0	125	5.0	3.0	0.92	S30KL.
GF30MLH	1000	3.0	125	5.0	3.0	0.92	S30ML.

NEW

10 AMPERE / P-600
Superex II



GP100G	400	10	400	0.2	10	1.00	GP100G
--------	-----	----	-----	-----	----	------	--------

NEW

10 AMPERE / R-6
Superex II



GP100GC	400	10	400	0.2	10	1.00	GP100G
---------	-----	----	-----	-----	----	------	--------

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

SRGC10DH	200	1.0	15	5.0	1.0	1.30	150	10 RD.
SRGC10GH	400	1.0	15	5.0	1.0	1.30	150	10 RG.
SRGC10JH	600	1.0	15	5.0	1.0	1.30	250	10 RJ.
SRGC10KH	800	1.0	15	5.0	1.0	1.30	300	10 RK.
SRGC10MH	1000	1.0	15	5.0	1.0	1.30	300	10 RM.

1.0 AMPERE / 1206 (Equivalent to SOD-87, GL1M, SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

BYD37ZDH	200	1.0	30	1.0	1.0	1.30	250	37 ZD.
BYD37ZGH	400	1.0	30	1.0	1.0	1.30	250	37 ZG.
BYD37ZJH	600	1.0	30	1.0	1.0	1.30	250	37 ZJ.
BYD37ZKH	800	1.0	30	1.0	1.0	1.30	300	37 ZK.
BYD37ZMH	1000	1.0	30	1.0	1.0	1.30	300	37 ZM.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

RGC10DH	200	1.0	30	5.0	1.0	1.30	150	RGC 10D.
RGC10GH	400	1.0	30	5.0	1.0	1.30	150	RGC 10G.
RGC10JH	600	1.0	30	5.0	1.0	1.30	250	RGC 10J.
RGC10KH	800	1.0	30	5.0	1.0	1.30	300	RGC 10K.
RGC10MH	1000	1.0	30	5.0	1.0	1.30	500	RGC 10M.

1.0 AMPERE / R-1 Superex II

 **PATENTED**

RG110D	200	1.0	25	5.0	1.0	1.30	150	R1D
RG110G	400	1.0	25	5.0	1.0	1.30	150	R1G
RG110J	600	1.0	25	5.0	1.0	1.30	250	R1J
RG110K	800	1.0	25	5.0	1.0	1.30	500	R1K
RG110M	1000	1.0	25	5.0	1.0	1.30	500	R1M

1.0 AMPERE / R-1 / Halogen-free Superex II

 **PATENTED**

RG110DH	200	1.0	25	5.0	1.0	1.30	150	R1D.
RG110GH	400	1.0	25	5.0	1.0	1.30	150	R1G.
RG110JH	600	1.0	25	5.0	1.0	1.30	250	R1J.
RG110KH	800	1.0	25	5.0	1.0	1.30	500	R1K.
RG110MH	1000	1.0	25	5.0	1.0	1.30	500	R1M.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / DO-204AL (DO-41) Superex II



PATENTED

RGP10D	200	1.0	30	5.0	1.0	1.30	150	RGP10D
RGP10G	400	1.0	30	5.0	1.0	1.30	150	RGP10G
RGP10J	600	1.0	30	5.0	1.0	1.30	250	RGP10J
RGP10JA	600	1.0	30	5.0	1.0	1.30	150	RGP10JA
RGP10K	800	1.0	30	5.0	1.0	1.30	500	RGP10K
RGP10KA	800	1.0	30	5.0	1.0	1.30	300	RGP10KA
RGP10M	1000	1.0	30	5.0	1.0	1.30	500	RGP10M
RGP10MA	1000	1.0	30	5.0	1.0	1.30	300	RGP10MA

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II



PATENTED

RGP10DH	200	1.0	30	5.0	1.0	1.30	150	RGP10D.
RGP10GH	400	1.0	30	5.0	1.0	1.30	150	RGP10G.
RGP10JH	600	1.0	30	5.0	1.0	1.30	250	RGP10J.
RGP10JAH	600	1.0	30	5.0	1.0	1.30	150	RGP10JA.
RGP10KH	800	1.0	30	5.0	1.0	1.30	500	RGP10K.
RGP10KAH	800	1.0	30	5.0	1.0	1.30	300	RGP10KA.
RGP10MH	1000	1.0	30	5.0	1.0	1.30	500	RGP10M.
RGP10MAH	1000	1.0	30	5.0	1.0	1.30	300	RGP10MA.

1.0 AMPERE / DO-204AL (DO-41) Superex II



PATENTED

RGP02-12	1200	1.0	20	5.0	1.0	1.80	300	RGP02-12
RGP02-15	1500	1.0	20	5.0	1.0	1.80	300	RGP02-15
RGP02-18	1800	1.0	20	5.0	1.0	1.80	300	RGP02-18
RGP02-20	2000	1.0	20	5.0	1.0	1.80	300	RGP02-20

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II



PATENTED

RGP02-12H	1200	1.0	20	5.0	1.0	1.80	300	RGP02-12.
RGP02-15H	1500	1.0	20	5.0	1.0	1.80	300	RGP02-15.
RGP02-18H	1800	1.0	20	5.0	1.0	1.80	300	RGP02-18.
RGP02-20H	2000	1.0	20	5.0	1.0	1.80	300	RGP02-20.

1.0 AMPERE / DO-214AC (SMA) Superex II



PATENTED

RGF10D	200	1.0	30	5.0	1.0	1.30	150	R10D
RGF10G	400	1.0	30	5.0	1.0	1.30	150	R10G
RGF10J	600	1.0	30	5.0	1.0	1.30	250	R10J
RGF10JA	600	1.0	30	5.0	1.0	1.30	150	R10JA
RGF10K	800	1.0	30	5.0	1.0	1.30	500	R10K
RGF10KA	800	1.0	30	5.0	1.0	1.30	300	R10KA
RGF10M	1000	1.0	30	5.0	1.0	1.30	500	R10M
RGF10MA	1000	1.0	30	5.0	1.0	1.30	300	R10MA

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / DO-214AC (SMA) / Halogen-free Superex II

 **PATENTED**

RGF10DH	200	1.0	30	5.0	1.0	1.30	150	R10D.
RGF10GH	400	1.0	30	5.0	1.0	1.30	150	R10G.
RGF10JH	600	1.0	30	5.0	1.0	1.30	250	R10J.
RGF10JAH	600	1.0	30	5.0	1.0	1.30	150	R10JA.
RGF10KH	800	1.0	30	5.0	1.0	1.30	500	R10K.
RGF10KAH	800	1.0	30	5.0	1.0	1.30	300	R10KA.
RGF10MH	1000	1.0	30	5.0	1.0	1.30	500	R10M.
RGF10MAH	1000	1.0	30	5.0	1.0	1.30	300	R10MA.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

RGC20DH	200	2.0	50	5.0	2.0	1.30	150	RGC 20D.
RGC20GH	400	2.0	50	5.0	2.0	1.30	150	RGC 20G.
RGC20JH	600	2.0	50	5.0	2.0	1.30	250	RGC 20J.
RGC20KH	800	2.0	50	5.0	2.0	1.30	300	RGC 20K.
RGC20MH	1000	2.0	50	5.0	2.0	1.30	500	RGC 20M.

NEW 2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II

 **PATENTED**

BRGC20DH	200	2.0	50	5.0	2.0	1.30	150	BRGC 20D.
BRGC20GH	400	2.0	50	5.0	2.0	1.30	150	BRGC 20G.
BRGC20JH	600	2.0	50	5.0	2.0	1.30	250	BRGC 20J.
BRGC20KH	800	2.0	50	5.0	2.0	1.30	300	BRGC 20K.
BRGC20MH	1000	2.0	50	5.0	2.0	1.30	500	BRGC 20M.

2.0 AMPERE / DO-204AC (DO-15) Superex II

 **PATENTED**

RGP20D	200	2.0	65	5.0	2.0	1.30	150	RGP20D
RGP20G	400	2.0	65	5.0	2.0	1.30	150	RGP20G
RGP20J	600	2.0	65	5.0	2.0	1.30	250	RGP20J
RGP20JA	600	2.0	65	5.0	2.0	1.30	150	RGP20JA
RGP20K	800	2.0	65	5.0	2.0	1.30	500	RGP20K
RGP20KA	800	2.0	65	5.0	2.0	1.30	300	RGP20KA
RGP20M	1000	2.0	65	5.0	2.0	1.30	500	RGP20M
RGP20MA	1000	2.0	65	5.0	2.0	1.30	300	RGP20MA

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free Superex II

 **PATENTED**

RGP20DH	200	2.0	65	5.0	2.0	1.30	150	RGP20D.
RGP20GH	400	2.0	65	5.0	2.0	1.30	150	RGP20G.
RGP20JH	600	2.0	65	5.0	2.0	1.30	250	RGP20J.
RGP20JAH	600	2.0	65	5.0	2.0	1.30	150	RGP20JA.
RGP20KH	800	2.0	65	5.0	2.0	1.30	500	RGP20K.
RGP20KAH	800	2.0	65	5.0	2.0	1.30	300	RGP20KA.
RGP20MH	1000	2.0	65	5.0	2.0	1.30	500	RGP20M.
RGP20MAH	1000	2.0	65	5.0	2.0	1.30	300	RGP20MA.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

2.0 AMPERE / DO-214AA (SMB) Superex II



RGF20D	200	2.0	65	5.0	2.0	1.30	150	R20D
RGF20G	400	2.0	65	5.0	2.0	1.30	150	R20G
RGF20J	600	2.0	65	5.0	2.0	1.30	250	R20J
RGF20JA	600	2.0	65	5.0	2.0	1.30	150	R20JA
RGF20K	800	2.0	65	5.0	2.0	1.30	500	R20K
RGF20KA	800	2.0	65	5.0	2.0	1.30	300	R20KA
RGF20M	1000	2.0	65	5.0	2.0	1.30	500	R20M
RGF20MA	1000	2.0	65	5.0	2.0	1.30	300	R20MA

2.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



RGF20DH	200	2.0	65	5.0	2.0	1.30	150	R20D.
RGF20GH	400	2.0	65	5.0	2.0	1.30	150	R20G.
RGF20JH	600	2.0	65	5.0	2.0	1.30	250	R20J.
RGF20JAH	600	2.0	65	5.0	2.0	1.30	150	R20JA.
RGF20KH	800	2.0	65	5.0	2.0	1.30	500	R20K.
RGF20KAH	800	2.0	65	5.0	2.0	1.30	300	R20KA.
RGF20MH	1000	2.0	65	5.0	2.0	1.30	500	R20M.
RGF20MAH	1000	2.0	65	5.0	2.0	1.30	300	R20MA.

NEW

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



BRGC30DH	200	3.0	100	5.0	3.0	1.30	150	BRGC 30D.
BRGC30GH	400	3.0	100	5.0	3.0	1.30	150	BRGC 30G.
BRGC30JH	600	3.0	100	5.0	3.0	1.30	250	BRGC 30J.
BRGC30KH	800	3.0	100	5.0	3.0	1.30	300	BRGC 30K.
BRGC30MH	1000	3.0	100	5.0	3.0	1.30	500	BRGC 30M.

3.0 AMPERE / DO-201AD (DO-27) Superex II



RGP30D	200	3.0	125	5.0	3.0	1.30	150	RGP30D
RGP30G	400	3.0	125	5.0	3.0	1.30	150	RGP30G
RGP30J	600	3.0	125	5.0	3.0	1.30	250	RGP30J
RGP30JA	600	3.0	125	5.0	3.0	1.30	150	RGP30JA
RGP30K	800	3.0	125	5.0	3.0	1.30	500	RGP30K
RGP30KA	800	3.0	125	5.0	3.0	1.30	300	RGP30KA
RGP30M	1000	3.0	125	5.0	3.0	1.30	500	RGP30M
RGP30MA	1000	3.0	125	5.0	3.0	1.30	300	RGP30MA

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



RGP30DH	200	3.0	125	5.0	3.0	1.30	150	RGP30D.
RGP30GH	400	3.0	125	5.0	3.0	1.30	150	RGP30G.
RGP30JH	600	3.0	125	5.0	3.0	1.30	250	RGP30J.
RGP30JAH	600	3.0	125	5.0	3.0	1.30	150	RGP30JA.
RGP30KH	800	3.0	125	5.0	3.0	1.30	500	RGP30K.
RGP30KAH	800	3.0	125	5.0	3.0	1.30	300	RGP30KA.
RGP30MH	1000	3.0	125	5.0	3.0	1.30	500	RGP30M.
RGP30MAH	1000	3.0	125	5.0	3.0	1.30	300	RGP30MA.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

3.0 AMPERE / DO-214AA (SMB) Superex II



RGF30D	200	3.0	115	5.0	3.0	1.30	150	R30D
RGF30G	400	3.0	115	5.0	3.0	1.30	150	R30G
RGF30J	600	3.0	115	5.0	3.0	1.30	250	R30J
RGF30JA	600	3.0	115	5.0	3.0	1.30	150	R30JA
RGF30K	800	3.0	115	5.0	3.0	1.30	500	R30K
RGF30KA	800	3.0	115	5.0	3.0	1.30	300	R30KA
RGF30M	1000	3.0	115	5.0	3.0	1.30	500	R30M
RGF30MA	1000	3.0	115	5.0	3.0	1.30	300	R30MA

3.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



RGF30DH	200	3.0	115	5.0	3.0	1.30	150	R30D.
RGF30GH	400	3.0	115	5.0	3.0	1.30	150	R30G.
RGF30JH	600	3.0	115	5.0	3.0	1.30	250	R30J.
RGF30JAH	600	3.0	115	5.0	3.0	1.30	150	R30JA.
RGF30KH	800	3.0	115	5.0	3.0	1.30	500	R30K.
RGF30KAH	800	3.0	115	5.0	3.0	1.30	300	R30KA.
RGF30MH	1000	3.0	115	5.0	3.0	1.30	500	R30M.
RGF30MAH	1000	3.0	115	5.0	3.0	1.30	300	R30MA.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II



SEGC10DH	200	1.0	15	5.0	1.0	1.00	50	10 ED.
SEGC10GH	400	1.0	15	5.0	1.0	1.25	50	10 EG.
SEGC10JH	600	1.0	15	5.0	1.0	1.70	75	10 EJ.
SEGC10KH	800	1.0	15	5.0	1.0	1.70	75	10 EK.
SEGC10MH	1000	1.0	15	5.0	1.0	1.70	75	10 EM.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II



BYD57ZDH	200	1.0	30	5.0	1.0	1.70	50	57 ZD.
BYD57ZGH	400	1.0	30	5.0	1.0	1.70	50	57 ZG.
BYD57ZJH	600	1.0	30	5.0	1.0	1.70	50	57 ZJ.
BYD57ZKH	800	1.0	25	5.0	1.0	1.70	75	57 ZK.
BYD57ZMH	1000	1.0	25	5.0	1.0	1.70	75	57 ZM.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



EGC10DH	200	1.0	30	5.0	1.0	1.00	50	EGC 10D.
EGC10GH	400	1.0	30	5.0	1.0	1.25	50	EGC 10G.
EGC10JH	600	1.0	25	5.0	1.0	1.70	75	EGC 10J.
EGC10KH	800	1.0	25	5.0	1.0	1.70	75	EGC 10K.
EGC10MH	1000	1.0	25	5.0	1.0	1.70	75	EGC 10M.

1.0 AMPERE / R-1 Superex II



EG110D	200	1.0	25	5.0	1.0	1.00	50	E1D
EG110G	400	1.0	25	5.0	1.0	1.25	50	E1G
EG110J	600	1.0	25	5.0	1.0	1.70	75	E1J
EG110K	800	1.0	25	5.0	1.0	1.70	75	E1K
EG110M	1000	1.0	25	5.0	1.0	1.70	75	E1M

1.0 AMPERE / R-1 / Halogen-free Superex II



EG110DH	200	1.0	25	5.0	1.0	1.00	50	E1DH
EG110GH	400	1.0	25	5.0	1.0	1.25	50	E1GH
EG110JH	600	1.0	25	5.0	1.0	1.70	75	E1JH
EG110KH	800	1.0	25	5.0	1.0	1.70	75	E1KH
EG110MH	1000	1.0	25	5.0	1.0	1.70	75	E1MH

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

RECTIFIERS

HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	µA	A	V	nS	

1.0 AMPERE / DO-204AL (DO-41) Superex II



PATENTED

EGP10D	200	1.0	30	5.0	1.0	1.00	50	EGP10D
EGP10G	400	1.0	30	5.0	1.0	1.25	50	EGP10G
EGP10J	600	1.0	30	5.0	1.0	1.70	75	EGP10J
EGP10K	800	1.0	30	5.0	1.0	1.70	75	EGP10K
EGP10M	1000	1.0	30	5.0	1.0	1.70	75	EGP10M

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II



PATENTED

EGP10DH	200	1.0	30	5.0	1.0	1.00	50	EGP10D.
EGP10GH	400	1.0	30	5.0	1.0	1.25	50	EGP10G.
EGP10JH	600	1.0	30	5.0	1.0	1.70	75	EGP10J.
EGP10KH	800	1.0	30	5.0	1.0	1.70	75	EGP10K.
EGP10MH	1000	1.0	30	5.0	1.0	1.70	75	EGP10M.

1.0 AMPERE / DO-214AC (SMA) Superex II



PATENTED

EGF10D	200	1.0	30	5.0	1.0	1.00	50	E10D
EGF10G	400	1.0	30	5.0	1.0	1.25	50	E10G
EGF10J	600	1.0	30	5.0	1.0	1.70	75	E10J
EGF10K	800	1.0	30	5.0	1.0	1.70	75	E10K
EGF10M	1000	1.0	30	5.0	1.0	1.70	75	E10M

1.0 AMPERE / DO-214AC (SMA) / Halogen-free Superex II



PATENTED

EGF10DH	200	1.0	30	5.0	1.0	1.00	50	E10D.
EGF10GH	400	1.0	30	5.0	1.0	1.25	50	E10G.
EGF10JH	600	1.0	30	5.0	1.0	1.70	75	E10J.
EGF10KH	800	1.0	30	5.0	1.0	1.70	75	E10K.
EGF10MH	1000	1.0	30	5.0	1.0	1.70	75	E10M.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



PATENTED

EGC20DH	200	2.0	50	5.0	2.0	1.00	50	EGC 20D.
EGC20GH	400	2.0	50	5.0	2.0	1.25	50	EGC 20G.
EGC20JH	600	2.0	50	5.0	2.0	1.70	75	EGC 20J.
EGC20KH	800	2.0	50	5.0	2.0	1.70	75	EGC 20K.
EGC20MH	1000	2.0	50	5.0	2.0	1.70	75	EGC 20M.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

NEW

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BEGC20DH	200	2.0	50	5.0	2.0	1.00	50	BEGC 20D.
BEGC20GH	400	2.0	50	5.0	2.0	1.25	50	BEGC 20G.
BEGC20JH	600	2.0	50	5.0	2.0	1.70	75	BEGC 20J.
BEGC20KH	800	2.0	50	5.0	2.0	1.70	75	BEGC 20K.
BEGC20MH	1000	2.0	50	5.0	2.0	1.70	75	BEGC 20M.

2.0 AMPERE / DO-204C (DO-15) Superex II



PATENTED

EGP20D	200	2.0	65	5.0	2.0	1.00	50	EGP20D
EGP20G	400	2.0	65	5.0	2.0	1.25	50	EGP20G
EGP20J	600	2.0	60	5.0	2.0	1.70	75	EGP20J
EGP20K	800	2.0	60	5.0	2.0	1.70	75	EGP20K
EGP20M	1000	2.0	60	5.0	2.0	1.70	75	EGP20M

2.0 AMPERE / DO-204C (DO-15) / Halogen-free Superex II



PATENTED

EGP20DH	200	2.0	65	5.0	2.0	1.00	50	EGP20D.
EGP20GH	400	2.0	65	5.0	2.0	1.25	50	EGP20G.
EGP20JH	600	2.0	60	5.0	2.0	1.70	75	EGP20J.
EGP20KH	800	2.0	60	5.0	2.0	1.70	75	EGP20K.
EGP20MH	1000	2.0	60	5.0	2.0	1.70	75	EGP20M.

2.0 AMPERE / DO-214AA (SMB) Superex II



PATENTED

EGF20D	200	2.0	65	5.0	2.0	1.00	50	E20D
EGF20G	400	2.0	65	5.0	2.0	1.25	50	E20G
EGF20J	600	2.0	60	5.0	2.0	1.70	75	E20J
EGF20K	800	2.0	60	5.0	2.0	1.70	75	E20K
EGF20M	1000	2.0	60	5.0	2.0	1.70	75	E20M

2.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



PATENTED

EGF20DH	200	2.0	65	5.0	2.0	1.00	50	E20D.
EGF20GH	400	2.0	65	5.0	2.0	1.25	50	E20G.
EGF20JH	600	2.0	60	5.0	2.0	1.70	75	E20J.
EGF20KH	800	2.0	60	5.0	2.0	1.70	75	E20K.
EGF20MH	1000	2.0	60	5.0	2.0	1.70	75	E20M.

NEW

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BEGC30DH	200	3.0	95	5.0	3.0	1.00	50	BEGC 30D.
BEGC30GH	400	3.0	95	5.0	3.0	1.25	50	BEGC 30G.
BEGC30JH	600	3.0	95	5.0	3.0	1.70	75	BEGC 30J.
BEGC30KH	800	3.0	95	5.0	3.0	1.70	75	BEGC 30K.
BEGC30MH	1000	3.0	95	5.0	3.0	1.70	75	BEGC 30M.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

RECTIFIERS

HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

3.0 AMPERE / DO-201AD (DO-27)

Superex II



PATENTED

EGP30D	200	3.0	125	5.0	3.0	1.00	50	EGP30D
EGP30G	400	3.0	125	5.0	3.0	1.25	50	EGP30G
EGP30J	600	3.0	115	5.0	3.0	1.70	75	EGP30J
EGP30K	800	3.0	115	5.0	3.0	1.70	75	EGP30K
EGP30M	1000	3.0	115	5.0	3.0	1.70	75	EGP30M

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free

Superex II



PATENTED

EGP30DH	200	3.0	125	5.0	3.0	1.00	50	EGP30D.
EGP30GH	400	3.0	125	5.0	3.0	1.25	50	EGP30G.
EGP30JH	600	3.0	115	5.0	3.0	1.70	75	EGP30J.
EGP30KH	800	3.0	115	5.0	3.0	1.70	75	EGP30K.
EGP30MH	1000	3.0	115	5.0	3.0	1.70	75	EGP30M.

3.0 AMPERE / DO-214AA (SMB)

Superex II



PATENTED

EGF30D	200	3.0	115	5.0	3.0	1.00	50	E30D
EGF30G	400	3.0	115	5.0	3.0	1.25	50	E30G
EGF30J	600	3.0	105	5.0	3.0	1.70	75	E30J
EGF30K	800	3.0	105	5.0	3.0	1.70	75	E30K
EGF30M	1000	3.0	105	5.0	3.0	1.70	75	E30M

3.0 AMPERE / DO-214AA (SMB) / Halogen-free

Superex II



PATENTED

EGF30DH	200	3.0	115	5.0	3.0	1.00	50	E30D.
EGF30GH	400	3.0	115	5.0	3.0	1.25	50	E30G.
EGF30JH	600	3.0	105	5.0	3.0	1.70	75	E30J.
EGF30KH	800	3.0	105	5.0	3.0	1.70	75	E30K.
EGF30MH	1000	3.0	105	5.0	3.0	1.70	75	E30M.

5.0 AMPERE / DO-201AD (DO-27)

Superex II



PATENTED

EGP50D	200	5.0	150	5.0	5.0	1.25	50	EGP50D
EGP50G	400	5.0	150	5.0	5.0	1.25	50	EGP50G

5.0 AMPERE / DO-201AD (DO-27) / Halogen-free

Superex II



PATENTED

EGP50DH	200	5.0	150	5.0	5.0	1.25	50	EGP50D.
EGP50GH	400	5.0	150	5.0	5.0	1.25	50	EGP50G.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

10 AMPERE / TO-220AB Superex II



PATENTED

EGZ10DCT	200	10	125	5.0	5.0	1.00	50	EGZ10DCT
EGZ10GCT	400	10	125	5.0	5.0	1.25	50	EGZ10GCT
EGZ10JCT	600	10	125	5.0	5.0	1.70	75	EGZ10JCT

10 AMPERE / TO-220AB / Halogen-free Superex II



PATENTED

EGZ10DCTH	200	10	125	5.0	5.0	1.00	50	EGZ10DCTH
EGZ10GCTH	400	10	125	5.0	5.0	1.25	50	EGZ10GCTH
EGZ10JCTH	600	10	125	5.0	5.0	1.70	75	EGZ10JCTH

12 AMPERE / TO-220AB Superex II



PATENTED

EGZ12DCT	200	12	125	5.0	6.0	1.00	50	EGZ12DCT
EGZ12GCT	400	12	125	5.0	6.0	1.25	50	EGZ12GCT
EGZ12JCT	600	12	125	5.0	6.0	1.70	75	EGZ12JCT

12 AMPERE / TO-220AB / Halogen-free Superex II



PATENTED

EGZ12DCTH	200	12	125	5.0	6.0	1.00	50	EGZ12DCTH
EGZ12GCTH	400	12	125	5.0	6.0	1.25	50	EGZ12GCTH
EGZ12JCTH	600	12	125	5.0	6.0	1.70	75	EGZ12JCTH

16 AMPERE / TO-220AB Superex II



PATENTED

EGZ16DCT	200	16	125	5.0	8.0	1.00	50	EGZ16DCT
EGZ16GCT	400	16	125	5.0	8.0	1.25	50	EGZ16GCT
EGZ16JCT	600	16	125	5.0	8.0	1.70	75	EGZ16JCT

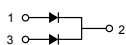
16 AMPERE / TO-220AB / Halogen-free Superex II



PATENTED

EGZ16DCTH	200	16	125	5.0	8.0	1.00	50	EGZ16DCTH
EGZ16GCTH	400	16	125	5.0	8.0	1.25	50	EGZ16GCTH
EGZ16JCTH	600	16	125	5.0	8.0	1.70	75	EGZ16JCTH

NOTE : KCT connection of TO-220AB



SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENCY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

20 AMPERE / TO-220AB Superex II



PATENTED

EGZ20DCT	200	20	150	5.0	10.0	1.00	50	EGZ20DCT
EGZ20GCT	400	20	150	5.0	10.0	1.25	50	EGZ20GCT
EGZ20JCT	600	20	150	5.0	10.0	1.70	75	EGZ20JCT

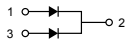
20 AMPERE / TO-220AB / Halogen-free Superex II



PATENTED

EGZ20DCTH	200	20	150	5.0	10.0	1.00	50	EGZ20DCTH
EGZ20GCTH	400	20	150	5.0	10.0	1.25	50	EGZ20GCTH
EGZ20JCTH	600	20	150	5.0	10.0	1.70	75	EGZ20JCTH

NOTE : CKT connection of TO-220AB



SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

NEW

0.8 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

SUGC08KH	800	0.8	15	5.0	0.8	2.50	35	08 UK.
----------	-----	-----	----	-----	-----	------	----	--------

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

SUGC10DH	200	1.0	15	5.0	1.0	0.96	35	10 UD.
SUGC10GH	400	1.0	15	5.0	1.0	1.30	35	10 UG.
SUGC10JH	600	1.0	15	5.0	1.0	1.70	35	10 UJ.
SUGC10KH	800	1.0	15	5.0	1.0	2.50	35	10 UK.

NEW

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

AUSUGC10JH	600	1.0	15	5.0	1.0	1.70	35	10 .UJ.
------------	-----	-----	----	-----	-----	------	----	---------

NOTE : Comply with AEC-Q101

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

BYD77ZDH	200	1.0	30	1.0	1.0	1.00	50	77 ZD.
BYD77ZGH	400	1.0	30	1.0	1.0	1.00	50	77 ZG.

NEW

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

AUBYD167ZH	600	1.0	25	5.0	1.0	1.70	35	167 .Z.
------------	-----	-----	----	-----	-----	------	----	---------

NOTE : Comply with AEC-Q101

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free Superchip Superex II

 **PATENTED**

BYD127ZH	200	1.0	30	2.0	1.0	0.96	35	127 Z.
BYD147ZH	400	1.0	30	2.0	1.0	1.30	35	147 Z.
BYD167ZH	600	1.0	25	5.0	1.0	1.70	35	167 Z.
BYD187ZH	800	1.0	25	5.0	1.0	2.50	35	187 Z.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II

 **PATENTED**

UGC10DH	200	1.0	30	5.0	1.0	0.95	35	UGC 10D.
UGC10GH	400	1.0	30	5.0	1.0	1.25	35	UGC 10G.
UGC10JH	600	1.0	25	5.0	1.0	1.70	35	UGC 10J.
UGC10KH	800	1.0	25	5.0	1.0	2.20	35	UGC 10K.

1.0 AMPERE / R-1 Superex II

 **PATENTED**

UG110D	200	1.0	25	5.0	1.0	0.95	35	U1D
UG110G	400	1.0	25	5.0	1.0	1.25	35	U1G
UG110J	600	1.0	25	5.0	1.0	1.70	35	U1J
UG110K	800	1.0	25	5.0	1.0	2.20	35	U1K

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / DO-204AL (DO-41) Superex II



PATENTED

UGP10D	200	1.0	30	5.0	1.0	0.95	35	UGP10D
UGP10G	400	1.0	30	5.0	1.0	1.25	35	UGP10G
UGP10J	600	1.0	25	5.0	1.0	1.70	35	UGP10J
UGP10K	800	1.0	25	5.0	1.0	2.20	35	UGP10K

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free Superex II



PATENTED

UGP10DH	200	1.0	30	5.0	1.0	0.95	35	UGP10D.
UGP10GH	400	1.0	30	5.0	1.0	1.25	35	UGP10G.
UGP10JH	600	1.0	25	5.0	1.0	1.70	35	UGP10J.
UGP10KH	800	1.0	25	5.0	1.0	2.20	35	UGP10K.

1.0 AMPERE / DO-214AC (SMA) Superex II



PATENTED

UGF10D	200	1.0	30	5.0	1.0	0.95	35	U10D
UGF10G	400	1.0	30	5.0	1.0	1.25	35	U10G
UGF10J	600	1.0	25	5.0	1.0	1.70	35	U10J
UGF10K	800	1.0	25	5.0	1.0	2.20	35	U10K

1.0 AMPERE / DO-214AC (SMA) / Halogen-free Superex II



PATENTED

UGF10DH	200	1.0	30	5.0	1.0	0.95	35	U10D.
UGF10GH	400	1.0	30	5.0	1.0	1.25	35	U10G.
UGF10JH	600	1.0	25	5.0	1.0	1.70	35	U10J.
UGF10KH	800	1.0	25	5.0	1.0	2.20	35	U10K.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free Superchip Superex II



PATENTED

UGC20DH	200	2.0	50	5.0	2.0	0.95	35	UGC 20D.
UGC20GH	400	2.0	50	5.0	2.0	1.25	35	UGC 20G.
UGC20JH	600	2.0	50	5.0	2.0	1.70	35	UGC 20J.
UGC20KH	800	2.0	50	5.0	2.0	2.20	35	UGC 20K.

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BUGC20DH	200	2.0	50	5.0	2.0	0.95	35	BUGC 20D.
BUGC20GH	400	2.0	50	5.0	2.0	1.25	35	BUGC 20G.
BUGC20JH	600	2.0	50	5.0	2.0	1.70	35	BUGC 20J.
BUGC20KH	800	2.0	50	5.0	2.0	2.20	35	BUGC 20K.

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Max. Reverse Recovery Time	Marking
	VRRM	Io	IFSM (Surge)	IR	IF	VF	TRR @RG1	
	V	A	A	uA	A	V	nS	

2.0 AMPERE / DO-204AC (DO-15) Superex II



PATENTED

UGP20D	200	2.0	65	5.0	2.0	0.95	35	UGP20D
UGP20G	400	2.0	65	5.0	2.0	1.25	35	UGP20G
UGP20J	600	2.0	60	5.0	2.0	1.70	35	UGP20J
UGP20K	800	2.0	60	5.0	2.0	2.20	35	UGP20K

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free Superex II



PATENTED

UGP20DH	200	2.0	65	5.0	2.0	0.95	35	UGP20D.
UGP20GH	400	2.0	65	5.0	2.0	1.25	35	UGP20G.
UGP20JH	600	2.0	60	5.0	2.0	1.70	35	UGP20J.
UGP20KH	800	2.0	60	5.0	2.0	2.20	35	UGP20K.

2.0 AMPERE / DO-214AA (SMB) Superex II



PATENTED

UGF20D	200	2.0	65	5.0	2.0	0.95	35	U20D
UGF20G	400	2.0	65	5.0	2.0	1.25	35	U20G
UGF20J	600	2.0	60	5.0	2.0	1.70	35	U20J
UGF20K	800	2.0	60	5.0	2.0	2.20	35	U20K

2.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



PATENTED

UGF20DH	200	2.0	65	5.0	2.0	0.95	35	U20D.
UGF20GH	400	2.0	65	5.0	2.0	1.25	35	U20G.
UGF20JH	600	2.0	60	5.0	2.0	1.70	35	U20J.
UGF20KH	800	2.0	60	5.0	2.0	2.20	35	U20K.

NEW

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free Superchip Superex II



PATENTED

BUGC30DH	200	3.0	90	5.0	3.0	0.95	35	BUGC30D.
BUGC30GH	400	3.0	90	5.0	3.0	1.25	35	BUGC30G.
BUGC30JH	600	3.0	90	5.0	3.0	1.70	35	BUGC30J.
BUGC30KH	800	3.0	90	5.0	3.0	2.20	35	BUGC30K.

3.0 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

UGP30D	200	3.0	125	5.0	3.0	0.95	35	UGP30D
UGP30G	400	3.0	125	5.0	3.0	1.25	35	UGP30G
UGP30J	600	3.0	115	5.0	3.0	1.70	35	UGP30J
UGP30K	800	3.0	115	5.0	3.0	2.20	35	UGP30K

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

RECTIFIERS

ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	µA	A	V	nS	

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



PATENTED

UGP30DH	200	3.0	125	5.0	3.0	0.95	35	UGP30D.
UGP30GH	400	3.0	125	5.0	3.0	1.25	35	UGP30G.
UGP30JH	600	3.0	115	5.0	3.0	1.70	35	UGP30J.
UGP30KH	800	3.0	115	5.0	3.0	2.20	35	UGP30K.

3.0 AMPERE / DO-214AA (SMB) Superex II



PATENTED

UGF30D	200	3.0	115	5.0	3.0	0.95	35	U30D
UGF30G	400	3.0	115	5.0	3.0	1.25	35	U30G
UGF30J	600	3.0	105	5.0	3.0	1.70	35	U30J
UGF30K	800	3.0	105	5.0	3.0	2.20	35	U30K

3.0 AMPERE / DO-214AA (SMB) / Halogen-free Superex II



PATENTED

UGF30DH	200	3.0	115	5.0	3.0	0.95	35	U30D.
UGF30GH	400	3.0	115	5.0	3.0	1.25	35	U30G.
UGF30JH	600	3.0	105	5.0	3.0	1.70	35	U30J.
UGF30KH	800	3.0	105	5.0	3.0	2.20	35	U30K.

4.0 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

MUR420	200	4.0	150	10.0	4.0	1.28	50	MUR420
MUR460	600	4.0	150	10.0	4.0	1.28	50	MUR460

4.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



PATENTED

MUR420H	200	4.0	150	10.0	4.0	1.28	50	MUR420.
MUR460H	600	4.0	150	10.0	4.0	1.28	50	MUR460.

5.0 AMPERE / DO-201AD (DO-27) Superex II



PATENTED

UGP50D	200	5.0	150	5.0	5.0	1.10	35	UGP50D
UGP50G	400	5.0	150	5.0	5.0	1.25	35	UGP50G
UGP50J	600	5.0	150	5.0	5.0	1.70	35	UGP50J

5.0 AMPERE / DO-201AD (DO-27) / Halogen-free Superex II



PATENTED

UGP50DH	200	5.0	150	5.0	5.0	1.10	35	UGP50D.
UGP50GH	400	5.0	150	5.0	5.0	1.25	35	UGP50G.
UGP50JH	600	5.0	150	5.0	5.0	1.70	35	UGP50J.

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR} @RG1	
	V	A	A	uA	A	V	nS	

6.0 AMPERE / TO-220AC Superex II



PATENTED

UGZ6DT	200	6.0	90	5.0	6.0	1.10	35	UGZ6DT
UGZ6GT	400	6.0	90	5.0	6.0	1.30	35	UGZ6GT
UGZ6JT	600	6.0	90	5.0	6.0	1.70	35	UGZ6JT

6.0 AMPERE / TO-220AC / Halogen-free Superex II



PATENTED

UGZ6DTH	200	6.0	90	5.0	6.0	1.10	35	UGZ6DTH
UGZ6GTH	400	6.0	90	5.0	6.0	1.30	35	UGZ6GTH
UGZ6JTH	600	6.0	90	5.0	6.0	1.70	35	UGZ6JTH

8.0 AMPERE / TO-220AC Superex II



PATENTED

UGZ8DT	200	8.0	125	5.0	8.0	1.10	35	UGZ8DT
UGZ8GT	400	8.0	125	5.0	8.0	1.30	35	UGZ8GT
UGZ8JT	600	8.0	125	5.0	8.0	1.70	35	UGZ8JT

8.0 AMPERE / TO-220AC / Halogen-free Superex II



PATENTED

UGZ8DTH	200	8.0	125	5.0	8.0	1.10	35	UGZ8DTH
UGZ8GTH	400	8.0	125	5.0	8.0	1.30	35	UGZ8GTH
UGZ8JTH	600	8.0	125	5.0	8.0	1.70	35	UGZ8JTH

10 AMPERE / TO-220AC Superex II



PATENTED

UGZ10DT	200	10	150	5.0	10.0	1.10	35	UGZ10DT
UGZ10GT	400	10	150	5.0	10.0	1.30	35	UGZ10GT
UGZ10JT	600	10	150	5.0	10.0	1.70	35	UGZ10JT

10 AMPERE / TO-220AC / Halogen-free Superex II



PATENTED

UGZ10DTH	200	10	150	5.0	10.0	1.10	35	UGZ10DTH
UGZ10GTH	400	10	150	5.0	10.0	1.30	35	UGZ10GTH
UGZ10JTH	600	10	150	5.0	10.0	1.70	35	UGZ10JTH

NOTE : CKT connection of TO-220AC



SINTERED GLASS PASSIVATED JUNCTION HYPER FAST RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Marking
	V _{RRM}	I _o	I _{fsm} (Surge)	I _R	I _F	V _F	T _{RR @RG1}	
	V	A	A	uA	A	V	nS	

8 AMPERE / TO-220AC



SGZ8JT *	600	8.0	100	5.0	8.0	2.0	23	SGZ8JT
----------	-----	-----	-----	-----	-----	-----	----	--------

NOTE : " * " The objective specification for product development, spec is subject to change, please contact ZOWIE for updated status.

8 AMPERE / TO-220AC / Halogen-free



SGZ8JTH *	600	8.0	100	5.0	8.0	2.0	23	SGZ8JTH
-----------	-----	-----	-----	-----	-----	-----	----	---------

NOTE : " * " The objective specification for product development, spec is subject to change, please contact ZOWIE for updated status.

CKT connection of TO-220AC



New Product

MINI BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

NEW LUX-Bridge™

0.8 AMPERE / MBCN / Halogen-free
Ultra Mini Bridge



LX08M	1000	0.8	30	5.0	0.4	1.00	M
-------	------	-----	----	-----	-----	------	---

0.8 AMPERE / MBC / Halogen-free
Superchip Superex II



PATENTED

MBC08JH	600	0.8	30	5.0	0.4	0.90	MBC 08J.
MBC08KH	800	0.8	30	5.0	0.4	0.90	MBC 08K.
MBC08MH	1000	0.8	30	5.0	0.4	0.90	MBC 08M.

1.0 AMPERE / MBC / Halogen-free
Superchip Superex II



PATENTED

MBC10JH	600	1.0	30	5.0	1.0	1.00	MBC 10J.
MBC10KH	800	1.0	30	5.0	1.0	1.00	MBC 10K.
MBC10MH	1000	1.0	30	5.0	1.0	1.00	MBC 10M.

1.0 AMPERE / MBCR / Halogen-free
Superchip Superex II



PATENTED

MBCR10JH	600	1.0	30	5.0	1.0	1.00	MBCR 10J.
MBCR10KH	800	1.0	30	5.0	1.0	1.00	MBCR 10K.
MBCR10MH	1000	1.0	30	5.0	1.0	1.00	MBCR 10M.

Low VF

1.0 AMPERE / MBCR / Halogen-free
Superchip Superex II



PATENTED

MBCR10JLH	600	1.0	45	5.0	1.0	0.95	MBCR 10JL.
MBCR10KLH	800	1.0	45	5.0	1.0	0.95	MBCR 10KL.
MBCR10MLH	1000	1.0	45	5.0	1.0	0.95	MBCR 10ML.

BRIDGE

ULTRA MINI BRIDGE RECTIFIERS (LUX-Bridge™)

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	µA	A	V	

1.0 AMPERE / DFM

DF02	200	1.0	30	5.0	1.0	1.10	DF02
DF04	400	1.0	30	5.0	1.0	1.10	DF04
DF06	600	1.0	30	5.0	1.0	1.10	DF06
DF08	800	1.0	30	5.0	1.0	1.10	DF08
DF10	1000	1.0	30	5.0	1.0	1.10	DF10



1.0 AMPERE / DFM / Halogen-free

DF02H	200	1.0	30	5.0	1.0	1.10	DF02.
DF04H	400	1.0	30	5.0	1.0	1.10	DF04.
DF06H	600	1.0	30	5.0	1.0	1.10	DF06.
DF08H	800	1.0	30	5.0	1.0	1.10	DF08.
DF10H	1000	1.0	30	5.0	1.0	1.10	DF10.



1.0 AMPERE / DFS

DF02S	200	1.0	30	5.0	1.0	1.10	DF02S
DF04S	400	1.0	30	5.0	1.0	1.10	DF04S
DF06S	600	1.0	30	5.0	1.0	1.10	DF06S
DF08S	800	1.0	30	5.0	1.0	1.10	DF08S
DF10S	1000	1.0	30	5.0	1.0	1.10	DF10S



1.0 AMPERE / DFS / Halogen-free

DF02SH	200	1.0	30	5.0	1.0	1.10	DF02S.
DF04SH	400	1.0	30	5.0	1.0	1.10	DF04S.
DF06SH	600	1.0	30	5.0	1.0	1.10	DF06S.
DF08SH	800	1.0	30	5.0	1.0	1.10	DF08S.
DF10SH	1000	1.0	30	5.0	1.0	1.10	DF10S.



1.5 AMPERE / DFM

DF1502	200	1.5	50	5.0	1.5	1.10	DF1502
DF1504	400	1.5	50	5.0	1.5	1.10	DF1504
DF1506	600	1.5	50	5.0	1.5	1.10	DF1506
DF1508	800	1.5	50	5.0	1.5	1.10	DF1508
DF1510	1000	1.5	50	5.0	1.5	1.10	DF1510



SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	μA	A	V	

1.5 AMPERE / DFM / Halogen-free

DF1502H	200	1.5	50	5.0	1.5	1.10	DF1502.
DF1504H	400	1.5	50	5.0	1.5	1.10	DF1504.
DF1506H	600	1.5	50	5.0	1.5	1.10	DF1506.
DF1508H	800	1.5	50	5.0	1.5	1.10	DF1508.
DF1510H	1000	1.5	50	5.0	1.5	1.10	DF1510.

1.5 AMPERE / DFS

DF1502S	200	1.5	50	5.0	1.5	1.10	DF1502S
DF1504S	400	1.5	50	5.0	1.5	1.10	DF1504S
DF1506S	600	1.5	50	5.0	1.5	1.10	DF1506S
DF1508S	800	1.5	50	5.0	1.5	1.10	DF1508S
DF1510S	1000	1.5	50	5.0	1.5	1.10	DF1510S

1.5 AMPERE / DFS / Halogen-free

DF1502SH	200	1.5	50	5.0	1.5	1.10	DF1502S.
DF1504SH	400	1.5	50	5.0	1.5	1.10	DF1504S.
DF1506SH	600	1.5	50	5.0	1.5	1.10	DF1506S.
DF1508SH	800	1.5	50	5.0	1.5	1.10	DF1508S.
DF1510SH	1000	1.5	50	5.0	1.5	1.10	DF1510S.

2.0 AMPERE / GBP

GBP202	200	2.0	60	5.0	2.0	1.10	GBP202
GBP204	400	2.0	60	5.0	2.0	1.10	GBP204
GBP206	600	2.0	60	5.0	2.0	1.10	GBP206
GBP208	800	2.0	60	5.0	2.0	1.10	GBP208
GBP210	1000	2.0	60	5.0	2.0	1.10	GBP210

2.0 AMPERE / GBP / Halogen-free

GBP202H	200	2.0	60	5.0	2.0	1.10	GBP202.
GBP204H	400	2.0	60	5.0	2.0	1.10	GBP204.
GBP206H	600	2.0	60	5.0	2.0	1.10	GBP206.
GBP208H	800	2.0	60	5.0	2.0	1.10	GBP208.
GBP210H	1000	2.0	60	5.0	2.0	1.10	GBP210.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

4.0 AMPERE / KBJ

KBJ4D	200	4.0	120	5.0	2.0	1.00	KBJ4D
KBJ4G	400	4.0	120	5.0	2.0	1.00	KBJ4G
KBJ4J	600	4.0	120	5.0	2.0	1.00	KBJ4J
KBJ4K	800	4.0	120	5.0	2.0	1.00	KBJ4K
KBJ4M	1000	4.0	120	5.0	2.0	1.00	KBJ4M

4.0 AMPERE / KBJ / Halogen-free

KBJ4DH	200	4.0	120	5.0	2.0	1.00	KBJ4D.
KBJ4GH	400	4.0	120	5.0	2.0	1.00	KBJ4G.
KBJ4JH	600	4.0	120	5.0	2.0	1.00	KBJ4J.
KBJ4KH	800	4.0	120	5.0	2.0	1.00	KBJ4K.
KBJ4MH	1000	4.0	120	5.0	2.0	1.00	KBJ4M.

4.0 AMPERE / KBL

KBL02	200	4.0	125	5.0	2.0	1.10	KBL02
KBL04	400	4.0	125	5.0	2.0	1.10	KBL04
KBL06	600	4.0	125	5.0	2.0	1.10	KBL06
KBL08	800	4.0	125	5.0	2.0	1.10	KBL08
KBL10	1000	4.0	125	5.0	2.0	1.10	KBL10

4.0 AMPERE / KBL / Halogen-free

KBL02H	200	4.0	125	5.0	2.0	1.10	KBL02.
KBL04H	400	4.0	125	5.0	2.0	1.10	KBL04.
KBL06H	600	4.0	125	5.0	2.0	1.10	KBL06.
KBL08H	800	4.0	125	5.0	2.0	1.10	KBL08.
KBL10H	1000	4.0	125	5.0	2.0	1.10	KBL10.

4.0 AMPERE / GBL

GBL02	200	4.0	150	5.0	2.0	1.00	GBL02
GBL04	400	4.0	150	5.0	2.0	1.00	GBL04
GBL06	600	4.0	150	5.0	2.0	1.00	GBL06
GBL08	800	4.0	150	5.0	2.0	1.00	GBL08
GBL10	1000	4.0	150	5.0	2.0	1.00	GBL10

4.0 AMPERE / GBL / Halogen-free

GBL02H	200	4.0	150	5.0	2.0	1.00	GBL02.
GBL04H	400	4.0	150	5.0	2.0	1.00	GBL04.
GBL06H	600	4.0	150	5.0	2.0	1.00	GBL06.
GBL08H	800	4.0	150	5.0	2.0	1.00	GBL08.
GBL10H	1000	4.0	150	5.0	2.0	1.00	GBL10.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

NEW

4.0 AMPERE / GBL-LS Superex II



PATENTED

GBL02S	200	4.0	150	5.0	2.0	1.00	GBL02 S
GBL04S	400	4.0	150	5.0	2.0	1.00	GBL04 S
GBL06S	600	4.0	150	5.0	2.0	1.00	GBL06 S
GBL08S	800	4.0	150	5.0	2.0	1.00	GBL08 S
GBL10S	1000	4.0	150	5.0	2.0	1.00	GBL10 S

NEW

Low VF

4.0 AMPERE / GBL-LS Superex II



PATENTED

GBL02LS	200	4.0	160	5.0	2.0	0.89	GBL02 LS
GBL04LS	400	4.0	160	5.0	2.0	0.89	GBL04 LS
GBL06LS	600	4.0	160	5.0	2.0	0.89	GBL06 LS
GBL08LS	800	4.0	135	5.0	2.0	0.90	GBL08 LS
GBL10LS	1000	4.0	135	5.0	2.0	0.90	GBL10 LS

4.0 AMPERE / GBU



GBU402	200	4.0	150	5.0	2.0	1.00	GBU402
GBU404	400	4.0	150	5.0	2.0	1.00	GBU404
GBU406	600	4.0	150	5.0	2.0	1.00	GBU406
GBU408	800	4.0	150	5.0	2.0	1.00	GBU408
GBU410	1000	4.0	150	5.0	2.0	1.00	GBU410

4.0 AMPERE / GBU / Halogen-free



GBU402H	200	4.0	150	5.0	2.0	1.00	GBU402 .
GBU404H	400	4.0	150	5.0	2.0	1.00	GBU404 .
GBU406H	600	4.0	150	5.0	2.0	1.00	GBU406 .
GBU408H	800	4.0	150	5.0	2.0	1.00	GBU408 .
GBU410H	1000	4.0	150	5.0	2.0	1.00	GBU410 .

NEW

4.0 AMPERE / GBU Superex II



PATENTED

GBU402C	200	4.0	150	5.0	2.0	1.00	GBU402 C
GBU404C	400	4.0	150	5.0	2.0	1.00	GBU404 C
GBU406C	600	4.0	150	5.0	2.0	1.00	GBU406 C
GBU408C	800	4.0	150	5.0	2.0	1.00	GBU408 C
GBU410C	1000	4.0	150	5.0	2.0	1.00	GBU410 C

NEW

Low VF

4.0 AMPERE / GBU-LC Superex II



PATENTED

GBU402LC	200	4.0	160	5.0	2.0	0.89	GBU402 LC
GBU404LC	400	4.0	160	5.0	2.0	0.89	GBU404 LC
GBU406LC	600	4.0	160	5.0	2.0	0.89	GBU406 LC
GBU408LC	800	4.0	135	5.0	2.0	0.90	GBU408 LC
GBU410LC	1000	4.0	135	5.0	2.0	0.90	GBU410 LC

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	µA	A	V	

6.0 AMPERE / KBJ

KBJ6D	200	6.0	170	5.0	3.0	1.00	KBJ6D
KBJ6G	400	6.0	170	5.0	3.0	1.00	KBJ6G
KBJ6J	600	6.0	170	5.0	3.0	1.00	KBJ6J
KBJ6K	800	6.0	170	5.0	3.0	1.00	KBJ6K
KBJ6M	1000	6.0	170	5.0	3.0	1.00	KBJ6M

6.0 AMPERE / KBJ / Halogen-free

KBJ6DH	200	6.0	170	5.0	3.0	1.00	KBJ6D.
KBJ6GH	400	6.0	170	5.0	3.0	1.00	KBJ6G.
KBJ6JH	600	6.0	170	5.0	3.0	1.00	KBJ6J.
KBJ6KH	800	6.0	170	5.0	3.0	1.00	KBJ6K.
KBJ6MH	1000	6.0	170	5.0	3.0	1.00	KBJ6M.

6.0 AMPERE / GBU

GBU602	200	6.0	175	5.0	3.0	1.00	GBU602
GBU604	400	6.0	175	5.0	3.0	1.00	GBU604
GBU606	600	6.0	175	5.0	3.0	1.00	GBU606
GBU608	800	6.0	175	5.0	3.0	1.00	GBU608
GBU610	1000	6.0	175	5.0	3.0	1.00	GBU610

6.0 AMPERE / GBU / Halogen-free

GBU602H	200	6.0	175	5.0	3.0	1.00	GBU602.
GBU604H	400	6.0	175	5.0	3.0	1.00	GBU604.
GBU606H	600	6.0	175	5.0	3.0	1.00	GBU606.
GBU608H	800	6.0	175	5.0	3.0	1.00	GBU608.
GBU610H	1000	6.0	175	5.0	3.0	1.00	GBU610.

NEW 6.0 AMPERE / GBU Superex II

GBU602C	200	6.0	175	5.0	3.0	1.00	GBU602 C
GBU604C	400	6.0	175	5.0	3.0	1.00	GBU604 C
GBU606C	600	6.0	175	5.0	3.0	1.00	GBU606 C
GBU608C	800	6.0	175	5.0	3.0	1.00	GBU608 C
GBU610C	1000	6.0	175	5.0	3.0	1.00	GBU610 C

NEW **Low VF** 6.0 AMPERE / GBU-LC Superex II

GBU602LC	200	6.0	200	5.0	3.0	0.89	GBU602 LC
GBU604LC	400	6.0	200	5.0	3.0	0.89	GBU604 LC
GBU606LC	600	6.0	200	5.0	3.0	0.89	GBU606 LC
GBU608LC	800	6.0	175	5.0	3.0	0.90	GBU608 LC
GBU610LC	1000	6.0	175	5.0	3.0	0.90	GBU610 LC

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	μA	A	V	

8.0 AMPERE / GBJ

GBJ8D	200	8.0	170	5.0	4.0	1.00	GBJ8D
GBJ8G	400	8.0	170	5.0	4.0	1.00	GBJ8G
GBJ8J	600	8.0	170	5.0	4.0	1.00	GBJ8J
GBJ8K	800	8.0	170	5.0	4.0	1.00	GBJ8K
GBJ8M	1000	8.0	170	5.0	4.0	1.00	GBJ8M

8.0 AMPERE / GBJ / Halogen-free

GBJ8DH	200	8.0	170	5.0	4.0	1.00	GBJ8D.
GBJ8GH	400	8.0	170	5.0	4.0	1.00	GBJ8G.
GBJ8JH	600	8.0	170	5.0	4.0	1.00	GBJ8J.
GBJ8KH	800	8.0	170	5.0	4.0	1.00	GBJ8K.
GBJ8MH	1000	8.0	170	5.0	4.0	1.00	GBJ8M.

8.0 AMPERE / GBU

GBU802	200	8.0	200	5.0	4.0	1.00	GBU802
GBU804	400	8.0	200	5.0	4.0	1.00	GBU804
GBU806	600	8.0	200	5.0	4.0	1.00	GBU806
GBU808	800	8.0	200	5.0	4.0	1.00	GBU808
GBU810	1000	8.0	200	5.0	4.0	1.00	GBU810

8.0 AMPERE / GBU / Halogen-free

GBU802H	200	8.0	200	5.0	4.0	1.00	GBU802.
GBU804H	400	8.0	200	5.0	4.0	1.00	GBU804.
GBU806H	600	8.0	200	5.0	4.0	1.00	GBU806.
GBU808H	800	8.0	200	5.0	4.0	1.00	GBU808.
GBU810H	1000	8.0	200	5.0	4.0	1.00	GBU810.

NEW 8.0 AMPERE / GBU Superex II

GBU802C	200	8.0	200	5.0	4.0	1.00	GBU802 C
GBU804C	400	8.0	200	5.0	4.0	1.00	GBU804 C
GBU806C	600	8.0	200	5.0	4.0	1.00	GBU806 C
GBU808C	800	8.0	200	5.0	4.0	1.00	GBU808 C
GBU810C	1000	8.0	200	5.0	4.0	1.00	GBU810 C

NEW **Low VF** 8.0 AMPERE / GBU-LC Superex II

GBU802LC	200	8.0	200	5.0	4.0	0.91	GBU802 LC
GBU804LC	400	8.0	200	5.0	4.0	0.91	GBU804 LC
GBU806LC	600	8.0	200	5.0	4.0	0.91	GBU806 LC
GBU808LC	800	8.0	175	5.0	4.0	0.92	GBU808 LC
GBU810LC	1000	8.0	175	5.0	4.0	0.92	GBU810 LC

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	µA	A	V	

10 AMPERE / GBU

GBU1002	200	10	220	5.0	5.0	1.10	GBU1002
GBU1004	400	10	220	5.0	5.0	1.10	GBU1004
GBU1006	600	10	220	5.0	5.0	1.10	GBU1006
GBU1008	800	10	220	5.0	5.0	1.10	GBU1008
GBU1010	1000	10	220	5.0	5.0	1.10	GBU1010

10 AMPERE / GBU / Halogen-free

GBU1002H	200	10	220	5.0	5.0	1.10	GBU1002.
GBU1004H	400	10	220	5.0	5.0	1.10	GBU1004.
GBU1006H	600	10	220	5.0	5.0	1.10	GBU1006.
GBU1008H	800	10	220	5.0	5.0	1.10	GBU1008.
GBU1010H	1000	10	220	5.0	5.0	1.10	GBU1010.

10 AMPERE / GBU Superex II

GBU1002C	200	10	220	5.0	5.0	1.10	GBU1002 C
GBU1004C	400	10	220	5.0	5.0	1.10	GBU1004 C
GBU1006C	600	10	220	5.0	5.0	1.10	GBU1006 C
GBU1008C	800	10	220	5.0	5.0	1.10	GBU1008 C
GBU1010C	1000	10	220	5.0	5.0	1.10	GBU1010 C

10 AMPERE / GBU-LC Superex II

GBU1002LC	200	10	290	5.0	5.0	0.91	GBU1002 LC
GBU1004LC	400	10	290	5.0	5.0	0.91	GBU1004 LC
GBU1006LC	600	10	290	5.0	5.0	0.91	GBU1006 LC
GBU1008LC	800	10	220	5.0	5.0	0.92	GBU1008 LC
GBU1010LC	1000	10	220	5.0	5.0	0.92	GBU1010 LC

10 AMPERE / GBJ

GBJ10D	200	10	175	5.0	5.0	1.10	GBJ10D
GBJ10G	400	10	175	5.0	5.0	1.10	GBJ10G
GBJ10J	600	10	175	5.0	5.0	1.10	GBJ10J
GBJ10K	800	10	175	5.0	5.0	1.10	GBJ10K
GBJ10M	1000	10	175	5.0	5.0	1.10	GBJ10M

10 AMPERE / GBJ / Halogen-free

GBJ10DH	200	10	175	5.0	5.0	1.10	GBJ10D.
GBJ10GH	400	10	175	5.0	5.0	1.10	GBJ10G.
GBJ10JH	600	10	175	5.0	5.0	1.10	GBJ10J.
GBJ10KH	800	10	175	5.0	5.0	1.10	GBJ10K.
GBJ10MH	1000	10	175	5.0	5.0	1.10	GBJ10M.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

15 AMPERE / GBJ

GBJ15D	200	15	200	10	7.5	1.10	GBJ15D
GBJ15G	400	15	200	10	7.5	1.10	GBJ15G
GBJ15J	600	15	200	10	7.5	1.10	GBJ15J
GBJ15K	800	15	200	10	7.5	1.10	GBJ15K
GBJ15M	1000	15	200	10	7.5	1.10	GBJ15M

15 AMPERE / GBJ / Halogen-free

GBJ15DH	200	15	200	10	7.5	1.10	GBJ15D.
GBJ15GH	400	15	200	10	7.5	1.10	GBJ15G.
GBJ15JH	600	15	200	10	7.5	1.10	GBJ15J.
GBJ15KH	800	15	200	10	7.5	1.10	GBJ15K.
GBJ15MH	1000	15	200	10	7.5	1.10	GBJ15M.

NEW Low VF

15 AMPERE / GBJ-LB Superex II

GBJ15JLB	600	15	350	5	7.5	0.93	GBJ15J LB
----------	-----	----	-----	---	-----	------	-----------

20 AMPERE / GBJ

GBJ20D	200	20	250	10	10	1.10	GBJ20D
GBJ20G	400	20	250	10	10	1.10	GBJ20G
GBJ20J	600	20	250	10	10	1.10	GBJ20J
GBJ20K	800	20	250	10	10	1.10	GBJ20K
GBJ20M	1000	20	250	10	10	1.10	GBJ20M

20 AMPERE / GBJ / Halogen-free

GBJ20DH	200	20	250	10	10	1.10	GBJ20D.
GBJ20GH	400	20	250	10	10	1.10	GBJ20G.
GBJ20JH	600	20	250	10	10	1.10	GBJ20J.
GBJ20KH	800	20	250	10	10	1.10	GBJ20K.
GBJ20MH	1000	20	250	10	10	1.10	GBJ20M.

25 AMPERE / GBJ

GBJ25D	200	25	350	10	12.5	1.10	GBJ25D
GBJ25G	400	25	350	10	12.5	1.10	GBJ25G
GBJ25J	600	25	350	10	12.5	1.10	GBJ25J
GBJ25K	800	25	350	10	12.5	1.10	GBJ25K
GBJ25M	1000	25	350	10	12.5	1.10	GBJ25M

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Marking
	V _{RRM}	I _o	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

25 AMPERE / GBJ / Halogen-free



GBJ25DH	200	25	350	10	12.5	1.10	GBJ25D.
GBJ25GH	400	25	350	10	12.5	1.10	GBJ25G.
GBJ25JH	600	25	350	10	12.5	1.10	GBJ25J.
GBJ25KH	800	25	350	10	12.5	1.10	GBJ25K.
GBJ25MH	1000	25	350	10	12.5	1.10	GBJ25M.

NEW Low VF

25 AMPERE / GBJ-LB Suprex II



PATENTED

GBJ25JLB	600	25	450	5	12.5	0.93	GBJ25J LB
----------	-----	----	-----	---	------	------	-----------

25 AMPERE / GBPC / GBPC-W



GBPC2502	200	25	340	10	12.5	1.10	GBPC2502
GBPC2504	400	25	340	10	12.5	1.10	GBPC2504
GBPC2506	600	25	340	10	12.5	1.10	GBPC2504
GBPC2508	800	25	340	10	12.5	1.10	GBPC2508
GBPC2510	1000	25	340	10	12.5	1.10	GBPC2510

NOTE : Suffix " W " for Wire Type.

35 AMPERE / GBPC / GBPC-W



GBPC3502	200	35	400	10	17.5	1.10	GBPC3502
GBPC3504	400	35	400	10	17.5	1.10	GBPC3504
GBPC3506	600	35	400	10	17.5	1.10	GBPC3504
GBPC3508	800	35	400	10	17.5	1.10	GBPC3508
GBPC3510	1000	35	400	10	17.5	1.10	GBPC3510

NOTE : Suffix " W " for Wire Type.



GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

STCD SERIES TVS / 200 WATTS / 1206
Superox II



STCD PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sinewave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
STCD5.0AH	STCD5.0CAH	5.0	6.40	7.00	10	9.2	21.74	400
STCD6.0AH	STCD6.0CAH	6.0	6.67	7.37	10	10.3	19.42	400
STCD6.5AH	STCD6.5CAH	6.5	7.22	7.98	10	11.2	17.86	250
STCD7.0AH	STCD7.0CAH	7.0	7.78	8.60	10	12.0	16.67	100
STCD7.5AH	STCD7.5CAH	7.5	8.33	9.21	1	12.9	15.50	50
STCD8.0AH	STCD8.0CAH	8.0	8.89	9.83	1	13.6	14.71	25
STCD8.5AH	STCD8.5CAH	8.5	9.44	10.40	1	14.4	13.89	10
STCD9.0AH	STCD9.0CAH	9.0	10.00	11.10	1	15.4	12.99	5
STCD10AH	STCD10CAH	10	11.10	12.30	1	17.0	11.76	2.5
STCD11AH	STCD11CAH	11	12.20	13.50	1	18.2	10.99	2.5
STCD12AH	STCD12CAH	12	13.30	14.70	1	19.9	10.05	2.5
STCD13AH	STCD13CAH	13	14.40	15.90	1	21.5	9.30	1
STCD14AH	STCD14CAH	14	15.60	17.20	1	23.2	8.62	1
STCD15AH	STCD15CAH	15	16.70	18.50	1	24.4	8.20	1
STCD16AH	STCD16CAH	16	17.80	19.70	1	26.0	7.69	1
STCD17AH	STCD17CAH	17	18.90	20.90	1	27.6	7.25	1
STCD18AH	STCD18CAH	18	20.00	22.10	1	29.2	6.85	1
STCD19AH	STCD19CAH	19	21.10	23.30	1	30.6	6.54	1
STCD20AH	STCD20CAH	20	22.20	24.50	1	32.4	6.17	1
STCD22AH	STCD22CAH	22	24.40	26.90	1	35.5	5.63	1
STCD24AH	STCD24CAH	24	26.70	29.50	1	38.9	5.14	1
STCD26AH	STCD26CAH	26	28.90	31.90	1	42.1	4.75	1
STCD28AH	STCD28CAH	28	31.10	34.40	1	45.4	4.41	1
STCD30AH	STCD30CAH	30	33.30	36.80	1	48.4	4.13	1
STCD33AH	STCD33CAH	33	36.70	40.60	1	53.3	3.75	1
STCD36AH	STCD36CAH	36	40.00	44.20	1	58.1	3.44	1
STCD40AH	STCD40CAH	40	44.40	49.10	1	64.5	3.10	1
STCD43AH	STCD43CAH	43	47.80	52.80	1	69.4	2.88	1
STCD45AH	STCD45CAH	45	50.00	55.30	1	72.7	2.75	1
STCD48AH	STCD48CAH	48	53.30	58.90	1	77.4	2.58	1
STCD51AH	STCD51CAH	51	56.70	62.70	1	82.4	2.43	1
STCD54AH	STCD54CAH	54	60.00	66.30	1	87.1	2.30	1
STCD58AH	STCD58CAH	58	64.40	71.20	1	93.6	2.14	1
STCD60AH	STCD60CAH	60	66.70	73.70	1	96.8	2.07	1
STCD64AH	STCD64CAH	64	71.10	78.60	1	103.0	1.94	1
STCD70AH	STCD70CAH	70	77.80	86.00	1	113.0	1.77	1
STCD75AH	STCD75CAH	75	83.30	92.10	1	121.0	1.65	1
STCD78AH	STCD78CAH	78	86.70	95.80	1	126.0	1.59	1
STCD80AH	STCD80CAH	80	88.80	97.60	1	129.0	1.55	1
STCD85AH	STCD85CAH	85	94.40	104.00	1	137.0	1.46	1
STCD90AH	STCD90CAH	90	100	111	1	146.0	1.37	1
STCD100AH	STCD100CAH	100	111	123	1	162.0	1.23	1
STCD110AH	STCD110CAH	110	122	135	1	177.0	1.13	1
STCD120AH	STCD120CAH	120	133	147	1	193.0	1.04	1
STCD130AH	STCD130CAH	130	144	159	1	209.0	0.96	1
STCD140AH	STCD140CAH	140	155	171	1	224.0	0.89	1
STCD150AH	STCD150CAH	150	167	185	1	243.0	0.82	1
STCD160AH	STCD160CAH	160	178	197	1	259.0	0.77	1
STCD170AH	STCD170CAH	170	189	209	1	275.0	0.73	1
STCD180AH	STCD180CAH	180	200	220	1	292.0	0.69	1
STCD190AH	STCD190CAH	190	211	232	1	308.0	0.69	1

- NOTE : 1. Suffix "A" denotes 5% tolerance device.
 2. Add suffix "CA" after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double.
 4. Preliminary specification.

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS)



GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

TCD SERIES TVS / 400 WATTS / 2010
Superox II



TCD PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sinewave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI- POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
TCD5.0AH	TCD5.0CAH	5.0	6.4	7.00	10	9.2	43.48	800
TCD6.0AH	TCD6.0CAH	6.0	6.7	7.37	10	10.3	38.83	800
TCD6.5AH	TCD6.5CAH	6.5	7.2	7.98	10	11.2	35.71	500
TCD7.0AH	TCD7.0CAH	7.0	7.8	8.60	10	12.0	33.33	200
TCD7.5AH	TCD7.5CAH	7.5	8.3	9.21	1	12.9	31.01	100
TCD8.0AH	TCD8.0CAH	8.0	8.9	9.83	1	13.6	29.41	50
TCD8.5AH	TCD8.5CAH	8.5	9.4	10.4	1	14.4	27.78	10
TCD9.0AH	TCD9.0CAH	9.0	10.0	11.1	1	15.4	25.97	1
TCD10AH	TCD10CAH	10	11.1	12.3	1	17.0	23.53	1
TCD11AH	TCD11CAH	11	12.2	13.5	1	18.2	21.98	1
TCD12AH	TCD12CAH	12	13.3	14.7	1	19.9	20.10	1
TCD13AH	TCD13CAH	13	14.4	15.9	1	21.5	18.60	1
TCD14AH	TCD14CAH	14	15.6	17.2	1	23.2	17.24	1
TCD15AH	TCD15CAH	15	16.7	18.5	1	24.4	16.39	1
TCD16AH	TCD16CAH	16	17.8	19.7	1	26.0	15.38	1
TCD17AH	TCD17CAH	17	18.9	20.9	1	27.6	14.49	1
TCD18AH	TCD18CAH	18	20.0	22.1	1	29.2	13.70	1
TCD19AH	TCD19CAH	19	21.1	23.3	1	30.8	13.00	1
TCD20AH	TCD20CAH	20	22.2	24.5	1	32.4	12.35	1
TCD22AH	TCD22CAH	22	24.4	26.9	1	35.5	11.27	1
TCD24AH	TCD24CAH	24	26.7	29.5	1	38.9	10.28	1
TCD26AH	TCD26CAH	26	28.9	31.9	1	42.1	9.50	1
TCD28AH	TCD28CAH	28	31.1	34.4	1	45.4	8.81	1
TCD30AH	TCD30CAH	30	33.3	36.8	1	48.4	8.26	1
TCD33AH	TCD33CAH	33	36.7	40.6	1	53.3	7.50	1
TCD36AH	TCD36CAH	36	40.0	44.2	1	58.1	6.88	1
TCD40AH	TCD40CAH	40	44.4	49.1	1	64.5	6.20	1
TCD43AH	TCD43CAH	43	47.8	52.8	1	69.4	5.76	1
TCD45AH	TCD45CAH	45	50.0	55.3	1	72.7	5.50	1
TCD48AH	TCD48CAH	48	53.3	58.9	1	77.4	5.17	1
TCD51AH	TCD51CAH	51	56.7	62.7	1	82.4	4.85	1
TCD54AH	TCD54CAH	54	60.0	66.3	1	87.1	4.59	1
TCD58AH	TCD58CAH	58	64.4	71.2	1	93.6	4.27	1
TCD60AH	TCD60CAH	60	66.7	73.7	1	96.8	4.13	1
TCD64AH	TCD64CAH	64	71.1	78.6	1	103	3.88	1
TCD70AH	TCD70CAH	70	77.8	86.0	1	113	3.54	1
TCD75AH	TCD75CAH	75	83.3	92.1	1	121	3.31	1
TCD78AH	TCD78CAH	78	86.7	95.8	1	126	3.17	1
TCD80AH	TCD80CAH	80	88.8	97.6	1	130	3.09	1
TCD85AH	TCD85CAH	85	94.4	104	1	137	2.92	1
TCD90AH	TCD90CAH	90	100	111	1	146	2.74	1
TCD100AH	TCD100CAH	100	111	123	1	162	2.47	1
TCD110AH	TCD110CAH	110	122	135	1	177	2.26	1
TCD120AH	TCD120CAH	120	133	147	1	193	2.07	1
TCD130AH	TCD130CAH	130	144	159	1	209	1.91	1
TCD140AH	TCD140CAH	140	155	171	1	227	1.76	1
TCD150AH	TCD150CAH	150	167	185	1	243	1.65	1
TCD160AH	TCD160CAH	160	178	197	1	259	1.54	1
TCD170AH	TCD170CAH	170	189	209	1	275	1.45	1
TCD180AH	TCD180CAH	180	200	220	1	292	1.37	1
TCD190AH	TCD190CAH	190	211	232	1	308	1.30	1

- NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double.
 4. Preliminary specification.

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS) |

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMAJ SERIES TVS / 400 WATTS / DO-214AC (SMA)



SMAJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sinewave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMAJ5.0A	SMAJ5.0CA	AE	WE	5.0	6.4	7.00	10	9.2	43.48	800
SMAJ6.0A	SMAJ6.0CA	AG	WG	6.0	6.7	7.37	10	10.3	38.83	800
SMAJ6.5A	SMAJ6.5CA	AK	WK	6.5	7.2	7.98	10	11.2	35.71	500
SMAJ7.0A	SMAJ7.0CA	AM	WM	7.0	7.8	8.60	10	12.0	33.33	200
SMAJ7.5A	SMAJ7.5CA	AP	WP	7.5	8.3	9.21	1	12.9	31.01	100
SMAJ8.0A	SMAJ8.0CA	AR	WR	8.0	8.9	9.83	1	13.6	29.41	50
SMAJ8.5A	SMAJ8.5CA	AT	WT	8.5	9.4	10.4	1	14.4	27.78	10
SMAJ9.0A	SMAJ9.0CA	AV	WV	9.0	10.0	11.1	1	15.4	25.97	5
SMAJ10A	SMAJ10CA	AX	WX	10	11.1	12.3	1	17.0	23.53	1
SMAJ11A	SMAJ11CA	AZ	WZ	11	12.2	13.5	1	18.2	21.98	1
SMAJ12A	SMAJ12CA	BE	XE	12	13.3	14.7	1	19.9	20.10	1
SMAJ13A	SMAJ13CA	BG	XG	13	14.4	15.9	1	21.5	18.60	1
SMAJ14A	SMAJ14CA	BK	XK	14	15.6	17.2	1	23.2	17.24	1
SMAJ15A	SMAJ15CA	BM	XM	15	16.7	18.5	1	24.4	16.39	1
SMAJ16A	SMAJ16CA	BP	XP	16	17.8	19.7	1	26.0	15.38	1
SMAJ17A	SMAJ17CA	BR	XR	17	18.9	20.9	1	27.6	14.49	1
SMAJ18A	SMAJ18CA	BT	XT	18	20.0	22.1	1	29.2	13.70	1
SMAJ19A	SMAJ19CA	BB	XB	19	21.1	23.3	1	30.8	13.00	1
SMAJ20A	SMAJ20CA	BV	XV	20	22.2	24.5	1	32.4	12.35	1
SMAJ22A	SMAJ22CA	BX	XX	22	24.4	26.9	1	35.5	11.27	1
SMAJ24A	SMAJ24CA	BZ	XZ	24	26.7	29.5	1	38.9	10.28	1
SMAJ26A	SMAJ26CA	CE	YE	26	28.9	31.9	1	42.1	9.50	1
SMAJ28A	SMAJ28CA	CG	YG	28	31.1	34.4	1	45.4	8.81	1
SMAJ30A	SMAJ30CA	CK	YK	30	33.3	36.8	1	48.4	8.26	1
SMAJ33A	SMAJ33CA	CM	YM	33	36.7	40.6	1	53.3	7.50	1
SMAJ36A	SMAJ36CA	CP	YP	36	40.0	44.2	1	58.1	6.88	1
SMAJ40A	SMAJ40CA	CR	YR	40	44.4	49.1	1	64.5	6.20	1
SMAJ43A	SMAJ43CA	CT	YT	43	47.8	52.8	1	69.4	5.76	1
SMAJ45A	SMAJ45CA	CV	YV	45	50.0	55.3	1	72.7	5.50	1
SMAJ48A	SMAJ48CA	CX	YX	48	53.3	58.9	1	77.4	5.17	1
SMAJ51A	SMAJ51CA	CZ	YZ	51	56.7	62.7	1	82.4	4.85	1
SMAJ54A	SMAJ54CA	RE	ZE	54	60.0	66.3	1	87.1	4.59	1
SMAJ58A	SMAJ58CA	RG	ZG	58	64.4	71.2	1	93.6	4.27	1
SMAJ60A	SMAJ60CA	RK	ZK	60	66.7	73.7	1	96.8	4.13	1
SMAJ64A	SMAJ64CA	RM	ZM	64	71.1	78.6	1	103	3.88	1
SMAJ70A	SMAJ70CA	RP	ZP	70	77.8	86.0	1	113	3.54	1
SMAJ75A	SMAJ75CA	RR	ZR	75	83.3	92.1	1	121	3.31	1
SMAJ78A	SMAJ78CA	RT	ZT	78	86.7	95.8	1	126	3.17	1
SMAJ80A	SMAJ80CA	RB	ZB	80	88.8	97.6	1	130	3.09	1
SMAJ85A	SMAJ85CA	RV	ZV	85	94.4	104	1	137	2.92	1
SMAJ90A	SMAJ90CA	RX	ZX	90	100	111	1	146	2.74	1
SMAJ100A	SMAJ100CA	RZ	ZZ	100	111	123	1	162	2.47	1
SMAJ110A	SMAJ110CA	SE	VE	110	122	135	1	177	2.26	1
SMAJ120A	SMAJ120CA	SG	VG	120	133	147	1	193	2.07	1
SMAJ130A	SMAJ130CA	SK	VK	130	144	159	1	209	1.91	1
SMAJ140A	SMAJ140CA	SB	VB	140	155	171	1	227	1.76	1
SMAJ150A	SMAJ150CA	SM	VM	150	167	185	1	243	1.65	1
SMAJ160A	SMAJ160CA	SP	VP	160	178	197	1	259	1.54	1
SMAJ170A	SMAJ170CA	SR	VR	170	189	209	1	275	1.45	1
SMAJ180A	SMAJ180CA	ST	VT	180	200	220	1	292	1.37	1
SMAJ190A	SMAJ190CA	SV	VV	190	211	232	1	308	1.30	1
SMAJ200A	SMAJ200CA	SW	VW	200	224	247	1	324	1.23	1
SMAJ220A	SMAJ220CA	SX	VX	220	246	272	1	356	1.12	1
SMAJ250A	SMAJ250CA	SZ	VZ	250	279	309	1	405	0.99	1
SMAJ300A	SMAJ300CA	DE	HE	300	335	371	1	486	0.82	1
SMAJ350A	SMAJ350CA	DG	HG	350	391	432	1	567	0.71	1
SMAJ400A	SMAJ400CA	DK	HK	400	447	494	1	648	0.62	1
SMAJ440A	SMAJ440CA	DM	HM	440	492	543	1	713	0.56	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS)

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P4KE SERIES TVS / 400 WATTS / DO-204AL (DO-41)

P4KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sine wave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
P4KE6.8A	P4KE6.8CA	5.8	6.46	7.14	10	10.5	38.1	1000
P4KE7.5A	P4KE7.5CA	6.4	7.13	7.88	10	11.3	35.4	500
P4KE8.2A	P4KE8.2CA	7.0	7.79	8.61	10	12.1	33.1	200
P4KE9.1A	P4KE9.1CA	7.8	8.65	9.56	1	13.4	29.9	50
P4KE10A	P4KE10CA	8.6	9.50	10.50	1	14.5	27.6	10
P4KE11A	P4KE11CA	9.4	10.45	11.55	1	15.6	25.6	5
P4KE12A	P4KE12CA	10.2	11.40	12.60	1	16.7	24.0	5
P4KE13A	P4KE13CA	11.1	12.35	13.65	1	18.2	22.0	1
P4KE15A	P4KE15CA	12.8	14.25	15.75	1	21.2	18.9	1
P4KE16A	P4KE16CA	13.6	15.20	16.80	1	22.5	17.8	1
P4KE18A	P4KE18CA	15.3	17.10	18.90	1	25.2	15.9	1
P4KE20A	P4KE20CA	17.1	19.00	21.00	1	27.7	14.4	1
P4KE22A	P4KE22CA	18.8	20.90	23.10	1	30.6	13.1	1
P4KE24A	P4KE24CA	20.5	22.80	25.20	1	33.2	12.0	1
P4KE27A	P4KE27CA	23.1	25.65	28.35	1	37.5	10.7	1
P4KE30A	P4KE30CA	25.6	28.50	31.50	1	41.4	9.66	1
P4KE33A	P4KE33CA	28.2	31.35	34.65	1	45.7	8.75	1
P4KE36A	P4KE36CA	30.8	34.20	37.80	1	49.9	8.02	1
P4KE39A	P4KE39CA	33.3	37.05	40.95	1	53.9	7.42	1
P4KE43A	P4KE43CA	36.8	40.85	45.15	1	59.3	6.75	1
P4KE47A	P4KE47CA	40.2	44.65	49.35	1	64.8	6.17	1
P4KE51A	P4KE51CA	43.6	48.45	53.55	1	70.1	5.71	1
P4KE56A	P4KE56CA	47.8	53.20	58.80	1	77.0	5.19	1
P4KE62A	P4KE62CA	53.0	58.90	65.10	1	85.0	4.71	1
P4KE68A	P4KE68CA	58.1	64.60	71.40	1	92.0	4.35	1
P4KE75A	P4KE75CA	64.1	71.25	78.75	1	103.0	3.88	1
P4KE82A	P4KE82CA	70.1	77.90	86.10	1	113.0	3.54	1
P4KE91A	P4KE91CA	77.8	86.45	95.55	1	125.0	3.20	1
P4KE100A	P4KE100CA	85.5	95.0	105.0	1	137.0	2.92	1
P4KE110A	P4KE110CA	94.0	104.5	115.5	1	152.0	2.63	1
P4KE120A	P4KE120CA	102.0	114.0	126.0	1	165.0	2.42	1
P4KE130A	P4KE130CA	111.0	123.5	136.5	1	179.0	2.23	1
P4KE150A	P4KE150CA	128.0	142.5	157.5	1	207.0	1.93	1
P4KE160A	P4KE160CA	136.0	152.0	168.0	1	219.0	1.83	1
P4KE170A	P4KE170CA	145.0	161.5	178.5	1	234.0	1.71	1
P4KE180A	P4KE180CA	154.0	171.0	189.0	1	246.0	1.63	1
P4KE200A	P4KE200CA	171.0	190.0	210.0	1	274.0	1.46	1
P4KE220A	P4KE220CA	185.0	209.0	231.0	1	328.0	1.22	1
P4KE250A	P4KE250CA	214.0	237.5	262.5	1	344.0	1.16	1
P4KE300A	P4KE300CA	256.0	285.0	315.0	1	414.0	0.97	1
P4KE350A	P4KE350CA	299.0	332.5	367.5	1	482.0	0.83	1
P4KE380A	P4KE380CA	325.0	361.0	399.0	1	524.0	0.76	1
P4KE400A	P4KE400CA	342.0	380.0	420.0	1	548.0	0.73	1
P4KE440A	P4KE440CA	376.0	418.0	462.0	1	602.0	0.66	1
P4KE500A	P4KE500CA	427.5	475.0	525.0	1	690.0	0.58	1
P4KE520A	P4KE520CA	444.6	494.0	546.0	1	717.6	0.56	1
P4KE550A	P4KE550CA	470.3	522.5	577.5	1	759.0	0.53	1
P4KE600A	P4KE600CA	513.0	570.0	630.0	1	828.0	0.48	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS



SMBJ SERIES TVS / 600 WATTS / DO-214AA (SMB)

SMBJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sinewave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMBJ5.0A	SMBJ5.0CA	KE	AE	5.0	6.40	7.00	10	9.2	65.22	800
SMBJ6.0A	SMBJ6.0CA	KG	AG	6.0	6.67	7.37	10	10.3	58.25	800
SMBJ6.5A	SMBJ6.5CA	KK	AK	6.5	7.22	7.98	10	11.2	53.57	500
SMBJ7.0A	SMBJ7.0CA	KM	AM	7.0	7.78	8.60	10	12.0	50.00	200
SMBJ7.5A	SMBJ7.5CA	KP	AP	7.5	8.33	9.21	1	12.9	46.51	100
SMBJ8.0A	SMBJ8.0CA	KR	AR	8.0	8.89	9.83	1	13.6	44.12	50
SMBJ8.5A	SMBJ8.5CA	KT	AT	8.5	9.44	10.4	1	14.4	41.67	10
SMBJ9.0A	SMBJ9.0CA	KV	AV	9.0	10.0	11.1	1	15.4	38.96	5
SMBJ10A	SMBJ10CA	KX	AX	10	11.1	12.3	1	17.0	35.29	5
SMBJ11A	SMBJ11CA	KZ	AZ	11	12.2	13.5	1	18.2	32.97	5
SMBJ12A	SMBJ12CA	LE	BE	12	13.3	14.7	1	19.9	30.15	5
SMBJ13A	SMBJ13CA	LG	BG	13	14.4	15.9	1	21.5	27.91	1
SMBJ14A	SMBJ14CA	LK	BK	14	15.6	17.2	1	23.2	25.86	1
SMBJ15A	SMBJ15CA	LM	BM	15	16.7	18.5	1	24.4	24.59	1
SMBJ16A	SMBJ16CA	LP	BP	16	17.8	19.7	1	26.0	23.08	1
SMBJ17A	SMBJ17CA	LR	BR	17	18.9	20.9	1	27.6	21.74	1
SMBJ18A	SMBJ18CA	LT	BT	18	20.0	22.1	1	29.2	20.55	1
SMBJ19A	SMBJ19CA	LB	BB	19	21.1	23.3	1	30.8	19.49	1
SMBJ20A	SMBJ20CA	LV	BV	20	22.2	24.5	1	32.4	18.52	1
SMBJ22A	SMBJ22CA	LX	BX	22	24.4	26.9	1	35.5	16.90	1
SMBJ24A	SMBJ24CA	LZ	BZ	24	26.7	29.5	1	38.9	15.42	1
SMBJ26A	SMBJ26CA	ME	CE	26	28.9	31.9	1	42.1	14.25	1
SMBJ28A	SMBJ28CA	MG	CG	28	31.1	34.4	1	45.4	13.22	1
SMBJ30A	SMBJ30CA	MK	CK	30	33.3	36.8	1	48.4	12.40	1
SMBJ33A	SMBJ33CA	MM	CM	33	36.7	40.6	1	53.3	11.26	1
SMBJ36A	SMBJ36CA	MP	CP	36	40.0	44.2	1	58.1	10.33	1
SMBJ40A	SMBJ40CA	MR	CR	40	44.4	49.1	1	64.5	9.30	1
SMBJ43A	SMBJ43CA	MT	CT	43	47.8	52.8	1	69.4	8.65	1
SMBJ45A	SMBJ45CA	MV	CV	45	50.0	55.3	1	72.7	8.25	1
SMBJ48A	SMBJ48CA	MX	CX	48	53.3	58.9	1	77.4	7.75	1
SMBJ51A	SMBJ51CA	MZ	CZ	51	56.7	62.7	1	82.4	7.28	1
SMBJ54A	SMBJ54CA	NE	DE	54	60.0	66.3	1	87.1	6.89	1
SMBJ58A	SMBJ58CA	NG	DG	58	64.4	71.2	1	93.6	6.41	1
SMBJ60A	SMBJ60CA	NK	DK	60	66.7	73.7	1	96.8	6.20	1
SMBJ64A	SMBJ64CA	NM	DM	64	71.1	78.6	1	103	5.83	1
SMBJ70A	SMBJ70CA	NP	DP	70	77.8	86.0	1	113	5.31	1
SMBJ75A	SMBJ75CA	NR	DR	75	83.3	92.1	1	121	4.96	1
SMBJ78A	SMBJ78CA	NT	DT	78	86.7	95.8	1	126	4.76	1
SMBJ80A	SMBJ80CA	NB	DB	80	88.8	97.6	1	130	4.63	1
SMBJ85A	SMBJ85CA	NV	DV	85	94.4	104	1	137	4.38	1
SMBJ90A	SMBJ90CA	NX	DX	90	100	111	1	146	4.11	1
SMBJ100A	SMBJ100CA	NZ	DZ	100	111	123	1	162	3.70	1
SMBJ110A	SMBJ110CA	PE	EE	110	122	135	1	177	3.39	1
SMBJ120A	SMBJ120CA	PG	EG	120	133	147	1	193	3.11	1
SMBJ130A	SMBJ130CA	PK	EK	130	144	159	1	209	2.87	1
SMBJ140A	SMBJ140CA	PB	EB	140	155	171	1	227	2.65	1
SMBJ150A	SMBJ150CA	PM	EM	150	167	185	1	243	2.47	1
SMBJ160A	SMBJ160CA	PP	EP	160	178	197	1	259	2.32	1
SMBJ170A	SMBJ170CA	PR	ER	170	189	209	1	275	2.18	1
SMBJ180A	SMBJ180CA	PT	ET	180	200	220	1	292	2.06	1
SMBJ190A	SMBJ190CA	PV	EV	190	211	232	1	308	1.95	1
SMBJ200A	SMBJ200CA	PW	EW	200	224	247	1	324	1.85	1
SMBJ220A	SMBJ220CA	PX	EX	220	246	272	1	356	1.69	1
SMBJ250A	SMBJ250CA	PZ	EZ	250	279	309	1	405	1.48	1
SMBJ300A	SMBJ300CA	QE	FE	300	335	371	1	486	1.23	1
SMBJ350A	SMBJ350CA	QG	FG	350	391	432	1	567	1.06	1
SMBJ400A	SMBJ400CA	QK	FK	400	447	494	1	648	0.93	1
SMBJ440A	SMBJ440CA	QM	FM	440	492	543	1	713	0.84	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P6KE SERIES TVS / 600 WATTS / DO-204AC (DO-15)

P6KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @IT			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μ s sinewave	Maximum Reverse Leakage I_R (μ A) @ V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	IT (mA)			
P6KE6.8A	P6KE6.8CA	5.8	6.46	7.14	10	10.5	57.1	1000
P6KE7.5A	P6KE7.5CA	6.4	7.13	7.88	10	11.3	53.1	500
P6KE8.2A	P6KE8.2CA	7.0	7.79	8.61	10	12.1	49.6	200
P6KE9.1A	P6KE9.1CA	7.8	8.65	9.56	1	13.4	44.8	50
P6KE10A	P6KE10CA	8.6	9.50	10.50	1	14.5	41.4	10
P6KE11A	P6KE11CA	9.4	10.45	11.55	1	15.6	38.5	5
P6KE12A	P6KE12CA	10.2	11.40	12.60	1	16.7	35.9	5
P6KE13A	P6KE13CA	11.1	12.35	13.65	1	18.2	33.0	1
P6KE15A	P6KE15CA	12.8	14.25	15.75	1	21.2	28.3	1
P6KE16A	P6KE16CA	13.6	15.20	16.80	1	22.5	26.7	1
P6KE18A	P6KE18CA	15.3	17.10	18.90	1	25.2	23.8	1
P6KE20A	P6KE20CA	17.1	19.00	21.00	1	27.7	21.7	1
P6KE22A	P6KE22CA	18.8	20.90	23.10	1	30.6	19.6	1
P6KE24A	P6KE24CA	20.5	22.80	25.20	1	33.2	18.1	1
P6KE27A	P6KE27CA	23.1	25.65	28.35	1	37.5	16.0	1
P6KE30A	P6KE30CA	25.6	28.50	31.50	1	41.4	14.5	1
P6KE33A	P6KE33CA	28.2	31.35	34.65	1	45.7	13.1	1
P6KE36A	P6KE36CA	30.8	34.20	37.80	1	49.9	12.0	1
P6KE39A	P6KE39CA	33.3	37.05	40.95	1	53.9	11.1	1
P6KE43A	P6KE43CA	36.8	40.85	45.15	1	59.3	10.1	1
P6KE47A	P6KE47CA	40.2	44.65	49.35	1	64.8	9.26	1
P6KE51A	P6KE51CA	43.6	48.45	53.55	1	70.1	8.56	1
P6KE56A	P6KE56CA	47.8	53.20	58.80	1	77.0	7.79	1
P6KE62A	P6KE62CA	53.0	58.90	65.10	1	85.0	7.06	1
P6KE68A	P6KE68CA	58.1	64.60	71.40	1	92.0	6.52	1
P6KE75A	P6KE75CA	64.1	71.25	78.75	1	103.0	5.83	1
P6KE82A	P6KE82CA	70.1	77.90	86.10	1	113.0	5.31	1
P6KE91A	P6KE91CA	77.8	86.45	95.55	1	125.0	4.80	1
P6KE100A	P6KE100CA	85.5	95.0	105.0	1	137.0	4.38	1
P6KE110A	P6KE110CA	94.0	104.5	115.5	1	152.0	3.95	1
P6KE120A	P6KE120CA	102.0	114.0	126.0	1	165.0	3.64	1
P6KE130A	P6KE130CA	111.0	123.5	136.5	1	179.0	3.35	1
P6KE150A	P6KE150CA	128.0	142.5	157.5	1	207.0	2.90	1
P6KE160A	P6KE160CA	136.0	152.0	168.0	1	219.0	2.74	1
P6KE170A	P6KE170CA	145.0	161.5	178.5	1	234.0	2.56	1
P6KE180A	P6KE180CA	154.0	171.0	189.0	1	246.0	2.44	1
P6KE200A	P6KE200CA	171.0	190.0	210.0	1	274.0	2.19	1
P6KE220A	P6KE220CA	185.0	209.0	231.0	1	328.0	1.83	1
P6KE250A	P6KE250CA	214.0	237.5	262.5	1	344.0	1.74	1
P6KE300A	P6KE300CA	256.0	285.0	315.0	1	414.0	1.45	1
P6KE350A	P6KE350CA	299.0	332.5	367.5	1	482.0	1.24	1
P6KE380A	P6KE380CA	325.0	361.0	399.0	1	524.0	1.14	1
P6KE400A	P6KE400CA	342.0	380.0	420.0	1	548.0	1.09	1
P6KE440A	P6KE440CA	376.0	418.0	462.0	1	602.0	1.00	1
P6KE500A	P6KE500CA	427.5	475.0	525.0	1	690.0	0.87	1
P6KE520A	P6KE520CA	444.6	494.0	546.0	1	717.6	0.84	1
P6KE550A	P6KE550CA	470.3	522.5	577.5	1	759.0	0.79	1
P6KE600A	P6KE600CA	513.0	570.0	630.0	1	828.0	0.72	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having Vr of 10 volts and under, the Ir limit is double .

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS



SMCJ SERIES TVS / 1500 WATTS / DO-214AB (SMC)

SMCJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sine wave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMCJ5.0A	SMCJ5.0CA	GDE	BDE	5.0	6.40	7.00	10	9.2	163.0	800
SMCJ6.0A	SMCJ6.0CA	GDG	BDG	6.0	6.67	7.37	10	10.3	145.6	800
SMCJ6.5A	SMCJ6.5CA	GDK	BDK	6.5	7.22	7.98	10	11.2	133.9	500
SMCJ7.0A	SMCJ7.0CA	GDM	BDM	7.0	7.78	8.60	10	12.0	125.0	200
SMCJ7.5A	SMCJ7.5CA	GDP	BDP	7.5	8.33	9.21	1	12.9	116.3	100
SMCJ8.0A	SMCJ8.0CA	GDR	BDR	8.0	8.89	9.83	1	13.6	110.3	50
SMCJ8.5A	SMCJ8.5CA	GDT	BDT	8.5	9.44	10.40	1	14.4	104.2	10
SMCJ9.0A	SMCJ9.0CA	GDV	BDV	9.0	10.00	11.10	1	15.4	97.4	5
SMCJ10A	SMCJ10CA	GDX	BDX	10	11.10	12.30	1	17.0	88.2	5
SMCJ11A	SMCJ11CA	GDZ	BDZ	11	12.20	13.50	1	18.2	82.4	5
SMCJ12A	SMCJ12CA	GEE	BEE	12	13.30	14.70	1	19.9	75.4	5
SMCJ13A	SMCJ13CA	GEG	BEG	13	14.40	15.90	1	21.5	69.8	1
SMCJ14A	SMCJ14CA	GEK	BEK	14	15.60	17.20	1	23.2	64.7	1
SMCJ15A	SMCJ15CA	GEM	BEM	15	16.70	18.50	1	24.4	61.5	1
SMCJ16A	SMCJ16CA	GEP	BEP	16	17.80	19.70	1	26.0	57.7	1
SMCJ17A	SMCJ17CA	GER	BER	17	18.90	20.90	1	27.6	54.3	1
SMCJ18A	SMCJ18CA	GET	BET	18	20.00	22.10	1	29.2	51.4	1
SMCJ19A	SMCJ19CA	GEB	BEB	19	21.10	23.30	1	30.8	48.7	1
SMCJ20A	SMCJ20CA	GEV	BEV	20	22.20	24.50	1	32.4	46.3	1
SMCJ22A	SMCJ22CA	GEX	BEX	22	24.40	26.90	1	35.5	42.3	1
SMCJ24A	SMCJ24CA	GEZ	BEZ	24	26.70	29.50	1	38.9	38.6	1
SMCJ26A	SMCJ26CA	GFE	BFE	26	28.90	31.90	1	42.1	35.6	1
SMCJ28A	SMCJ28CA	GFG	BFG	28	31.10	34.40	1	45.4	33.0	1
SMCJ30A	SMCJ30CA	GFK	BFK	30	33.30	36.80	1	48.4	31.0	1
SMCJ33A	SMCJ33CA	GFM	BFM	33	36.70	40.60	1	53.3	28.1	1
SMCJ36A	SMCJ36CA	GFP	BFP	36	40.00	44.20	1	58.1	25.8	1
SMCJ40A	SMCJ40CA	GFR	BFR	40	44.40	49.10	1	64.5	23.3	1
SMCJ43A	SMCJ43CA	GFT	BFT	43	47.80	52.80	1	69.4	21.6	1
SMCJ45A	SMCJ45CA	GFV	BFV	45	50.00	55.30	1	72.7	20.6	1
SMCJ48A	SMCJ48CA	GFX	BFX	48	53.30	58.90	1	77.4	19.4	1
SMCJ51A	SMCJ51CA	GFZ	BFZ	51	56.70	62.70	1	82.4	18.2	1
SMCJ54A	SMCJ54CA	GGE	BGE	54	60.00	66.30	1	87.1	17.2	1
SMCJ58A	SMCJ58CA	GGG	BGG	58	64.40	71.20	1	93.6	16.0	1
SMCJ60A	SMCJ60CA	GGK	BGK	60	66.70	73.70	1	96.8	15.5	1
SMCJ64A	SMCJ64CA	GGM	BGM	64	71.10	78.60	1	103	14.6	1
SMCJ70A	SMCJ70CA	GGP	BGP	70	77.80	86.00	1	113	13.3	1
SMCJ75A	SMCJ75CA	GGR	BGR	75	83.30	92.10	1	121	12.4	1
SMCJ78A	SMCJ78CA	GGT	BGT	78	86.70	95.80	1	126	11.9	1
SMCJ80A	SMCJ80CA	GGB	BGB	80	88.80	97.60	1	130	11.6	1
SMCJ85A	SMCJ85CA	GGV	BGV	85	94.40	104	1	137	10.9	1
SMCJ90A	SMCJ90CA	GGX	BGX	90	100	111	1	146	10.3	1
SMCJ100A	SMCJ100CA	GGZ	BGZ	100	111	123	1	162	9.3	1
SMCJ110A	SMCJ110CA	GHE	BHE	110	122	135	1	177	8.5	1
SMCJ120A	SMCJ120CA	GHG	BHG	120	133	147	1	193	7.8	1
SMCJ130A	SMCJ130CA	GHK	BHK	130	144	159	1	209	7.2	1
SMCJ140A	SMCJ140CA	GHB	BHB	140	155	171	1	227	6.6	1
SMCJ150A	SMCJ150CA	GHM	BHM	150	167	185	1	243	6.2	1
SMCJ160A	SMCJ160CA	GHP	BHP	160	178	197	1	259	5.8	1
SMCJ170A	SMCJ170CA	GHR	BHR	170	189	209	1	275	5.5	1
SMCJ180A	SMCJ180CA	GHT	BHT	180	200	220	1	291	5.1	1
SMCJ190A	SMCJ190CA	GHV	BHV	190	211	232	1	308	4.9	1
SMCJ200A	SMCJ200CA	GHW	BHW	200	224	247	1	324	4.6	1
SMCJ220A	SMCJ220CA	GHX	BHX	220	246	272	1	356	4.2	1
SMCJ250A	SMCJ250CA	GHZ	BHZ	250	279	309	1	405	3.7	1
SMCJ300A	SMCJ300CA	GJE	BJE	300	335	371	1	486	3.1	1
SMCJ350A	SMCJ350CA	GJG	BJG	350	391	432	1	567	2.6	1
SMCJ400A	SMCJ400CA	GJK	BJK	400	447	494	1	648	2.3	1
SMCJ440A	SMCJ440CA	GJM	BJM	440	492	543	1	713	2.1	1

NOTE : 1. Suffix "A" denotes 5% tolerance device.
 2. Add suffix "CA" after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS)

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

1.5KE SERIES TVS / 1500 WATTS / DO-201AE (DO-27)

1.5KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @ I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @ $10 \times 1000 \mu s$ sinewave	Maximum Reverse Leakage I_R (μA) @ V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
1.5KE6.8A	1.5KE6.8CA	5.8	6.46	7.14	10	10.5	143.00	1000
1.5KE7.5A	1.5KE7.5CA	6.4	7.13	7.88	10	11.3	133.00	500
1.5KE8.2A	1.5KE8.2CA	7.0	7.79	8.61	10	12.1	124.00	200
1.5KE9.1A	1.5KE9.1CA	7.8	8.65	9.56	1	13.4	112.00	50
1.5KE10A	1.5KE10CA	8.6	9.50	10.50	1	14.5	103.00	10
1.5KE11A	1.5KE11CA	9.4	10.45	11.55	1	15.6	96.20	5
1.5KE12A	1.5KE12CA	10.2	11.40	12.60	1	16.7	89.80	5
1.5KE13A	1.5KE13CA	11.1	12.35	13.65	1	18.2	82.40	1
1.5KE15A	1.5KE15CA	12.8	14.25	15.75	1	21.2	70.80	1
1.5KE16A	1.5KE16CA	13.6	15.20	16.80	1	22.5	66.70	1
1.5KE18A	1.5KE18CA	15.3	17.10	18.90	1	25.2	59.50	1
1.5KE20A	1.5KE20CA	17.1	19.00	21.00	1	27.7	54.20	1
1.5KE22A	1.5KE22CA	18.8	20.90	23.10	1	30.6	49.00	1
1.5KE24A	1.5KE24CA	20.5	22.80	25.20	1	33.2	45.20	1
1.5KE27A	1.5KE27CA	23.1	25.65	28.35	1	37.5	40.00	1
1.5KE30A	1.5KE30CA	25.6	28.50	31.50	1	41.4	36.20	1
1.5KE33A	1.5KE33CA	28.2	31.35	34.65	1	45.7	32.80	1
1.5KE36A	1.5KE36CA	30.8	34.20	37.80	1	49.9	30.10	1
1.5KE39A	1.5KE39CA	33.3	37.05	40.95	1	53.9	27.80	1
1.5KE43A	1.5KE43CA	36.8	40.85	45.15	1	59.3	25.30	1
1.5KE47A	1.5KE47CA	40.2	44.65	49.35	1	64.8	23.10	1
1.5KE51A	1.5KE51CA	43.6	48.45	53.55	1	70.1	21.40	1
1.5KE56A	1.5KE56CA	47.8	53.20	58.80	1	77.0	19.50	1
1.5KE62A	1.5KE62CA	53.0	58.90	65.10	1	85.0	17.60	1
1.5KE68A	1.5KE68CA	58.1	64.60	71.40	1	92.0	16.30	1
1.5KE75A	1.5KE75CA	64.1	71.25	78.75	1	103.0	14.60	1
1.5KE82A	1.5KE82CA	70.1	77.90	86.10	1	113.0	13.30	1
1.5KE91A	1.5KE91CA	77.8	86.45	95.55	1	125.0	12.00	1
1.5KE100A	1.5KE100CA	85.5	95.00	105.00	1	137.0	10.90	1
1.5KE110A	1.5KE110CA	94.0	104.50	115.50	1	152.0	9.87	1
1.5KE120A	1.5KE120CA	102.0	114.00	126.00	1	165.0	9.09	1
1.5KE130A	1.5KE130CA	111.0	123.50	136.50	1	179.0	8.38	1
1.5KE150A	1.5KE150CA	128.0	142.50	157.50	1	207.0	7.25	1
1.5KE160A	1.5KE160CA	136.0	152.00	168.00	1	219.0	6.85	1
1.5KE170A	1.5KE170CA	145.0	161.50	178.50	1	234.0	6.41	1
1.5KE180A	1.5KE180CA	154.0	171.00	189.00	1	246.0	6.10	1
1.5KE200A	1.5KE200CA	171.0	190.00	210.00	1	274.0	5.47	1
1.5KE220A	1.5KE220CA	185.0	209.00	231.00	1	328.0	4.57	1
1.5KE250A	1.5KE250CA	214.0	237.50	262.50	1	344.0	4.36	1
1.5KE300A	1.5KE300CA	256.0	285.00	315.00	1	414.0	3.62	1
1.5KE350A	1.5KE350CA	299.0	332.50	367.50	1	482.0	3.11	1
1.5KE380A	1.5KE380CA	325.0	361.00	399.00	1	524.0	2.86	1
1.5KE400A	1.5KE400CA	342.0	380.00	420.00	1	548.0	2.74	1
1.5KE440A	1.5KE440CA	376.0	418.00	462.00	1	602.0	2.49	1
1.5KE500A	1.5KE500CA	428.0	475.00	525.00	1	690.0	2.17	1
1.5KE520A	1.5KE520CA	445.0	494.00	546.00	1	718.0	2.09	1
1.5KE550A	1.5KE550CA	470.0	522.50	577.50	1	759.0	1.98	1
1.5KE600A	1.5KE600CA	513.0	570.00	630.00	1	828.0	1.81	1

NOTE : 1. Suffix " A " denotes 5% tolerance device.
 2. Add suffix " CA " after part number to specify Bi-directional devices.
 3. For Bi-Directional devices having V_R of 10 volts and under, the I_R limit is double .

PROTECTION

TRANSIENT VOLTAGE SUPPRESSORS (TVS) |

ZENER DIODES

200mW / SOD-523 / Halogen-free



TYPE	Zener Voltage Range (NOTE)				Max. Zener Impedance			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)		
MM5Z2V0H	2.00	1.80	2.15	5	100	-	-	120	0.5	RD	
MM5Z2V2H	2.20	2.08	2.33	5	100	-	-	120	0.7	RE	
MM5Z2V4H	2.40	2.20	2.60	5	100	1000	1	120	1.0	Z7	
MM5Z2V7H	2.70	2.50	2.90	5	100	1000	1	120	1.0	A8	
MM5Z3V0H	3.00	2.80	3.20	5	100	1000	1	50	1.0	B8	
MM5Z3V3H	3.30	3.10	3.50	5	95	1000	1	20	1.0	C8	
MM5Z3V6H	3.60	3.40	3.80	5	90	1000	1	10	1.0	D8	
MM5Z3V9H	3.90	3.70	4.10	5	90	1000	1	5.0	1.0	E8	
MM5Z4V3H	4.30	4.00	4.60	5	90	1000	1	5.0	1.0	F8	
MM5Z4V7H	4.70	4.40	5.00	5	80	800	1	2.0	1.0	G8	
MM5Z5V1H	5.10	4.80	5.40	5	60	500	1	2.0	1.5	H8	
MM5Z5V6H	5.60	5.20	6.00	5	40	200	1	1.0	2.5	I8	
MM5Z6V2H	6.20	5.80	6.60	5	10	100	1	1.0	3.0	J8	
MM5Z6V8H	6.80	6.40	7.20	5	15	160	1	0.5	3.5	K8	
MM5Z7V5H	7.50	7.00	7.90	5	15	160	1	0.5	4.0	L8	
MM5Z8V2H	8.20	7.70	8.70	5	15	160	1	0.5	5.0	M8	
MM5Z9V1H	9.10	8.50	9.60	5	15	160	1	0.5	6.0	N8	
MM5Z10H	10.00	9.40	10.60	5	20	160	1	0.1	7.0	O8	
MM5Z11H	11.00	10.40	11.60	5	20	160	1	0.1	8.0	P8	
MM5Z12H	12.00	11.40	12.70	5	25	80	1	0.1	9.0	Q8	
MM5Z13H	13.25	12.40	14.10	5	30	80	1	0.1	10	R8	
MM5Z15H	15.00	14.30	15.80	5	30	80	1	0.1	11	S8	
MM5Z16H	16.20	15.30	17.10	2	40	80	1	0.1	12	T8	
MM5Z18H	18.00	16.80	19.10	2	45	80	1	0.1	13	U8	
MM5Z20H	20.00	18.80	21.20	2	55	100	1	0.1	15	V8	
MM5Z22H	22.00	20.80	23.30	2	55	100	1	0.1	17	W8	
MM5Z24H	24.20	22.80	25.60	2	70	120	1	0.1	19	X8	
MM5Z27H	27.00	25.10	28.90	2	80	300	1	0.1	21	Y8	
MM5Z30H	30.00	28.00	32.00	2	80	300	1	0.1	23	Z8	
MM5Z33H	33.00	31.00	35.00	2	80	300	1	0.1	25	A9	
MM5Z36H	36.00	34.00	38.00	2	90	500	1	0.1	27	B9	
MM5Z39H	39.00	37.00	41.00	2	130	500	1	2.0	30	C9	
MM5Z43H	43.00	40.00	46.00	1	150	500	1	2.0	33	D9	
MM5Z47H	47.00	44.00	50.00	1	170	500	1	2.0	36	E9	
MM5Z51H	51.00	48.00	54.00	1	180	500	1	1.0	39	F9	
MM5Z56H	56.00	52.00	60.00	1	200	500	1	1.0	43	G9	
MM5Z62H	62.00	58.00	66.00	1	215	500	1	0.2	47	H9	
MM5Z68H	68.00	64.00	72.00	1	240	500	1	0.2	52	I9	
MM5Z75H	75.00	70.00	79.00	1	255	500	1	0.2	57	J9	

NOTE : Tested with pulses tp = 20ms.

ZENER DIODES

200mW / SOD-523 / Halogen-free
Tolerance approximately $\pm 2\%$



TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT}	I _{ZT}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	(mA)	(μA)	(V)		
MM5Z2B4H	2.4	2.352	2.448	5	100	5	120	1.0	XY	
MM5Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	XZ	
MM5Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	FR	
MM5Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	FX	
MM5Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	FY	
MM5Z3B9H	3.9	3.822	3.978	5	130	5	5	1.0	FZ	
MM5Z4B3H	4.3	4.214	4.386	5	130	5	5	1.0	HA	
MM5Z4B7H	4.7	4.606	4.794	5	130	5	2	1.0	HB	
MM5Z5B1H	5.1	4.998	5.202	5	130	5	2	1.5	HC	
MM5Z5B6H	5.6	5.488	5.712	5	80	5	1	2.5	HD	
MM5Z6B2H	6.2	6.076	6.324	5	50	5	1	3.0	HE	
MM5Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	HF	
MM5Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4	HH	
MM5Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5	HJ	
MM5Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6	HK	
MM5ZB10H	10	9.800	10.200	5	30	5	0.1	7	HM	
MM5ZB11H	11	10.780	11.220	5	30	5	0.1	8	HN	
MM5ZB12H	12	11.760	12.240	5	35	5	0.1	9	HP	
MM5ZB13H	13	12.740	13.260	5	35	5	0.1	10	HR	
MM5ZB15H	15	14.700	15.300	5	40	5	0.1	11	HX	
MM5ZB16H	16	15.680	16.320	5	40	5	0.1	12	HY	
MM5ZB18H	18	17.640	18.360	5	45	5	0.1	13	HZ	
MM5ZB20H	20	19.600	20.400	5	50	5	0.1	15	JA	
MM5ZB22H	22	21.560	22.440	5	55	5	0.1	17	JB	
MM5ZB24H	24	23.520	24.480	5	60	5	0.1	19	JC	
MM5ZB27H	27	26.460	27.540	5	70	2	0.1	21	JD	
MM5ZB30H	30	29.400	30.600	5	80	2	0.1	23	JE	
MM5ZB33H	33	32.340	33.660	5	80	2	0.1	25	JF	
MM5ZB36H	36	35.280	36.720	5	90	2	0.1	27	JH	
MM5ZB39H	39	38.220	39.780	2.5	100	2	2.0	30	JJ	
MM5ZB43H	43	42.140	43.860	2.5	130	2	2.0	33	JK	
MM5ZB47H	47	46.060	47.940	2.5	150	2	2.0	36	JM	

NOTE : V_Z is tested with pulses (20 ms)

ZENER

ZENER DIODES

ZENER DIODES

300mW / SOD-323 (Flat lead) / Halogen-free
Tolerance approximately $\pm 5\%$



TYPE	Zener Voltage Range (NOTE 1, 2)				Max. Zener Impedance (NOTE 3)			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μ A)	(V)		
MM3Z5221BH	2.4	2.28	2.52	20	30	1200	0.25	100	1	A1	
MM3Z5223BH	2.7	2.57	2.84	20	30	1300	0.25	75	1	B1	
MM3Z5225BH	3	2.85	3.15	20	29	1600	0.25	50	1	C1	
MM3Z5226BH	3.3	3.14	3.47	20	28	1600	0.25	25	1	D1	
MM3Z5227BH	3.6	3.42	3.78	20	24	1700	0.25	15	1	E1	
MM3Z5228BH	3.9	3.71	4.10	20	23	1900	0.25	10	1	F1	
MM3Z5229BH	4.3	4.09	4.52	20	22	2000	0.25	5	1	H1	
MM3Z5230BH	4.7	4.47	4.94	20	19	1900	0.25	5	2	J1	
MM3Z5231BH	5.1	4.85	5.36	20	17	1600	0.25	5	2	K1	
MM3Z5232BH	5.6	5.32	5.88	20	11	1600	0.25	5	3	M1	
MM3Z5234BH	6.2	5.89	6.51	20	7	1000	0.25	5	4	N1	
MM3Z5235BH	6.8	6.46	7.14	20	5	750	0.25	3	5	P1	
MM3Z5236BH	7.5	7.13	7.88	20	6	500	0.25	3	6	R1	
MM3Z5237BH	8.2	7.79	8.61	20	8	500	0.25	3	6.5	X1	
MM3Z5239BH	9.1	8.65	9.56	20	10	600	0.25	3	7	Y1	
MM3Z5240BH	10	9.50	10.50	20	17	600	0.25	3	8	Z1	
MM3Z5241BH	11	10.45	11.55	20	22	600	0.25	2	8.4	A2	
MM3Z5242BH	12	11.40	12.60	20	30	600	0.25	1	9.1	B2	
MM3Z5243BH	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	C2	
MM3Z5245BH	15	14.25	15.75	8.5	16	600	0.25	0.1	11	D2	
MM3Z5246BH	16	15.20	16.80	7.8	17	600	0.25	0.1	12	E2	
MM3Z5248BH	18	17.10	18.90	7.0	21	600	0.25	0.1	14	F2	
MM3Z5249BH	19	18.05	19.95	6.6	23	600	0.25	0.1	14	N9	
MM3Z5250BH	20	19.00	21.00	6.2	25	600	0.25	0.1	15	H2	
MM3Z5251BH	22	20.90	23.10	5.6	29	600	0.25	0.1	17	J2	
MM3Z5252BH	24	22.80	25.20	5.2	33	600	0.25	0.1	18	K2	
MM3Z5253BH	25	23.75	26.25	5.0	35	600	0.25	0.1	19	P9	
MM3Z5254BH	27	25.65	28.35	4.6	41	600	0.25	0.1	21	M2	
MM3Z5256BH	30	28.50	31.50	4.2	49	600	0.25	0.1	23	N2	
MM3Z5257BH	33	31.35	34.65	3.8	58	700	0.25	0.1	25	P2	
MM3Z5258BH	36	34.20	37.80	3.4	70	700	0.25	0.1	27	R2	
MM3Z5259BH	39	37.05	40.95	3.2	80	800	0.25	0.1	30	X2	
MM3Z5260BH	43	40.85	45.15	3.0	93	900	0.25	0.1	33	Y2	
MM3Z5261BH	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	Z2	
MM3Z5262BH	51	48.45	53.55	2.5	125	1100	0.25	0.1	39	A3	
MM3Z5263BH	56	53.20	58.80	2.2	150	1300	0.25	0.1	43	B3	
MM3Z5265BH	62	58.90	65.10	2.0	185	1400	0.25	0.1	47	C3	
MM3Z5266BH	68	64.60	71.40	1.8	230	1600	0.25	0.1	52	D3	
MM3Z5267BH	75	71.25	78.75	1.7	270	1700	0.25	0.1	56	E3	

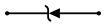
NOTES : (1) V_Z is tested with pulses (20 ms)
 (2) Nominal Zener voltage is measured with the device junction in thermal equilibrium at T_L = 30°C \pm 1°C
 (3) Z_{ZT} and Z_{ZK} are measured by dividing the AC voltage drop across the device by the AC current applied.
 The specified limits are for I_{Z(AC)} = 0.1 I_{Z(DC)} with the AC frequency = 1KHz.

ZENER DIODES

300mW / SOD-323 (Flat lead) / Halogen-free
Tolerance approximately $\pm 2\%$



TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT}	I _{ZT}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	(mA)	(μ A)	(V)		
MM3Z2B4H	2.4	2.352	2.448	5	100	5	120	1.0	DN	
MM3Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	DP	
MM3Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	DR	
MM3Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	DX	
MM3Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	DY	
MM3Z3B9H	3.9	3.822	3.978	5	130	5	5.0	1.0	DZ	
MM3Z4B3H	4.3	4.214	4.386	5	130	5	5.0	1.0	Z0	
MM3Z4B7H	4.7	4.606	4.794	5	130	5	2.0	1.0	EB	
MM3Z5B1H	5.1	4.998	5.202	5	130	5	2.0	1.5	EC	
MM3Z5B6H	5.6	5.488	5.712	5	80	5	1.0	2.5	7P	
MM3Z6B2H	6.2	6.076	6.324	5	50	5	1.0	3.0	EE	
MM3Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	EF	
MM3Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4	EH	
MM3Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5	EJ	
MM3Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6	EK	
MM3ZB10H	10	9.800	10.200	5	30	5	0.1	7	EM	
MM3ZB11H	11	10.780	11.220	5	30	5	0.1	8	EN	
MM3ZB12H	12	11.760	12.240	5	35	5	0.1	9	EP	
MM3ZB13H	13	12.740	13.260	5	35	5	0.1	10	ER	
MM3ZB15H	15	14.700	15.300	5	40	5	0.1	11	EX	
MM3ZB16H	16	15.680	16.320	5	40	5	0.1	12	EY	
MM3ZB18H	18	17.640	18.360	6	45	5	0.1	13	EZ	
MM3ZB20H	20	19.600	20.400	5	50	5	0.1	15	FA	
MM3ZB22H	22	21.560	22.440	5	55	5	0.1	17	FB	
MM3ZB24H	24	23.520	24.480	5	60	5	0.1	19	FC	
MM3ZB27H	27	26.460	27.540	5	70	2	0.1	21	FD	
MM3ZB30H	30	29.400	30.600	5	80	2	0.1	23	FE	
MM3ZB33H	33	32.340	33.660	5	80	2	0.1	25	FF	
MM3ZB36H	36	35.280	36.720	5	90	2	0.1	27	FH	
MM3ZB39H	39	38.220	39.780	2.5	100	2	2.0	30	FJ	
MM3ZB43H	43	42.140	43.860	2.5	130	2	2.0	33	XJ	
MM3ZB47H	47	46.060	47.940	2.5	150	2	2.0	36	XK	



ZENER

ZENER DIODES

NOTE : V_Z is tested with pulses (20 ms)

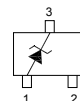
ZENER DIODES

350mW / SOT-23 / Halogen-free

Electrical Characteristics (Ta = 25°C unless otherwise noted, Vr < 0.9V at If = 10mA)



TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	Vz @ IzT				ZzT	IzT	IR @ VR			
	Nom. (V)	Min. (V)	Max. (V)	IzT (mA)	Max. (Ω)	(mA)	(μA)	(V)		
BZX84C3V0H	3	2.8	3.2	5	95	5	10	1	E8	
BZX84C3V3H	3.3	3.1	3.5	5	95	5	5	1	F8	
BZX84C3V6H	3.6	3.4	3.8	5	90	5	5	1	H8	
BZX84C3V9H	3.9	3.7	4.1	5	90	5	3	1	J8	
BZX84C4V3H	4.3	4	4.6	5	90	5	3	1	K8	
BZX84C4V7H	4.7	4.4	5	5	80	5	3	2	M8	
BZX84C5V1H	5.1	4.8	5.4	5	60	5	2	2	N8	
BZX84C5V6H	5.6	5.2	6	5	40	5	1	2	P8	
BZX84C6V2H	6.2	5.8	6.6	5	10	5	3	4	R8	
BZX84C6V8H	6.8	6.4	7.2	5	15	5	2	4	X8	
BZX84C7V5H	7.5	7	7.9	5	15	5	1	5	Y8	
BZX84C8V2H	8.2	7.7	8.7	5	15	5	0.7	5	Z8	
BZX84C9V1H	9.1	8.5	9.6	5	15	5	0.5	6	A9	
BZX84C10H	10	9.4	10.6	5	20	5	0.2	7	B9	
BZX84C11H	11	10.4	11.6	5	20	5	0.1	8	C9	
BZX84C12H	12	11.4	12.7	5	25	5	0.1	8	D9	
BZX84C13H	13	12.4	14.1	5	30	5	0.1	8	E9	
BZX84C15H	15	13.8	15.6	6	30	5	0.05	10.5	F9	
BZX84C16H	16	15.3	17.1	5	40	5	0.05	11.2	H9	
BZX84C18H	18	16.8	19.1	5	45	5	0.05	12.6	J9	
BZX84C20H	20	18.8	21.2	5	55	5	0.05	14	K9	
BZX84C22H	22	20.8	23.3	5	55	5	0.05	15.4	M9	
BZX84C24H	24	22.8	25.6	5	70	5	0.05	16.8	N9	
BZX84C27H	27	25.1	28.9	2	80	2	0.05	18.9	P9	
BZX84C30H	30	28	32	2	80	2	0.05	21	R9	
BZX84C33H	33	31	35	2	80	2	0.05	23.1	X9	
BZX84C36H	36	34	38	2	90	2	0.05	25.2	Y9	
BZX84C39H	39	37	41	2	130	2	0.05	27.3	Z9	
BZX84C43H	43	40	46	2	150	2	0.05	30.1	A0	
BZX84C47H	47	44	50	2	170	2	0.05	32.9	B0	



NOTE : Tested with pulses tp = 20 ms.

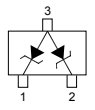
ZENER DIODES



350mW / SOT-23 / Halogen-free

Electrical Characteristics (Ta = 25°C unless otherwise noted)

TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	Vz @ IZT				ZZT	IZT	IR @ VR			
	Nom. (V)	Min. (V)	Max. (V)	IZT (mA)	Ω	(mA)	(μA)	(V)		
BZX84C3V3CAH	3.3	3.1	3.5	5	95	5	5	1	MX	
BZX84C3V6CAH	3.6	3.4	3.8	5	90	5	5	1	MY	
BZX84C3V9CAH	3.9	3.7	4.1	5	90	5	3	1	MZ	
BZX84C4V3CAH	4.3	4.0	4.6	5	90	5	3	1	NA	
BZX84C4V7CAH	4.7	4.4	5.0	5	80	5	3	2	NB	
BZX84C5V1CAH	5.1	4.8	5.4	5	60	5	2	2	NC	
BZX84C5V6CAH	5.6	5.2	6.0	5	40	5	1	2	ND	
BZX84C6V2CAH	6.2	5.8	6.6	5	10	5	3	4	NE	
BZX84C6V8CAH	6.8	6.4	7.2	5	15	5	2	4	NF	
BZX84C7V5CAH	7.5	7.0	7.9	5	15	5	1	5	NH	
BZX84C8V2CAH	8.2	7.7	8.7	5	15	5	0.7	5	NJ	
BZX84C9V1CAH	9.1	8.5	9.6	5	15	5	0.5	6	NK	
BZX84C10CAH	10	9.4	10.6	5	20	5	0.2	7	NM	
BZX84C11CAH	11	10.4	11.6	5	20	5	0.1	8	NN	
BZX84C12CAH	12	11.4	12.7	5	25	5	0.1	8	NP	
BZX84C13CAH	13	12.4	14.1	5	30	5	0.1	8	NX	
BZX84C15CAH	15	14.3	15.8	5	30	5	0.05	10.5	NY	
BZX84C16CAH	16	15.3	17.1	5	40	5	0.05	11.2	NZ	
BZX84C18CAH	18	16.8	19.1	6	45	6	0.05	12.6	PA	
BZX84C20CAH	20	18.8	21.2	5	55	5	0.05	14	PB	
BZX84C22CAH	22	20.8	23.3	5	55	5	0.05	15.4	PC	
BZX84C24CAH	24	22.8	25.6	5	70	5	0.05	16.8	PD	
BZX84C27CAH	27	25.1	28.9	2	80	2	0.05	18.9	PE	
BZX84C30CAH	30	28.0	32.0	2	80	2	0.05	21	PF	
BZX84C33CAH	33	31.0	35.0	2	80	2	0.05	23.1	PH	
BZX84C36CAH	36	34.0	38.0	2	90	2	0.05	25.2	PJ	
BZX84C39CAH	39	37.0	41.0	2	130	2	0.05	27.3	PM	
BZX84C43CAH	43	40.0	46.0	2	150	2	0.05	30.1	PN	
BZX84C47CAH	47	44.0	50.0	2	170	2	0.05	32.9	PP	



NOTE : Tested with pulses tp = 20 ms.

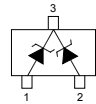
ZENER DIODES

350mW / SOT-23 / Halogen-free

Electrical Characteristics (Ta = 25°C unless otherwise noted, Vr < 0.9V at If = 10mA)



TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	Vz @ IzT				ZzT	IzT	IR @ VR			
	Nom. (V)	Min. (V)	Max. (V)	IzT (mA)	Ω	(mA)	(μA)	(V)		
BZX84C3V3CCH	3.3	3.1	3.5	5	95	5	5	1	JM	
BZX84C3V6CCH	3.6	3.4	3.8	5	90	5	5	1	JN	
BZX84C3V9CCH	3.9	3.7	4.1	5	90	5	3	1	JP	
BZX84C4V3CCH	4.3	4.0	4.6	5	90	5	3	1	JR	
BZX84C4V7CCH	4.7	4.4	5.0	5	80	5	3	2	JX	
BZX84C5V1CCH	5.1	4.8	5.4	5	60	5	2	2	JY	
BZX84C5V6CCH	5.6	5.2	6.0	5	40	5	1	2	JZ	
BZX84C6V2CCH	6.2	5.8	6.6	5	10	5	3	4	KA	
BZX84C6V8CCH	6.8	6.4	7.2	5	15	5	2	4	KB	
BZX84C7V5CCH	7.5	7.0	7.9	5	15	5	1	5	KC	
BZX84C8V2CCH	8.2	7.7	8.7	5	15	5	0.7	5	KD	
BZX84C9V1CCH	9.1	8.5	9.6	5	15	5	0.5	6	KE	
BZX84C10CCH	10	9.4	10.6	5	20	5	0.2	7	KF	
BZX84C11CCH	11	10.4	11.6	5	20	5	0.1	8	KH	
BZX84C12CCH	12	11.4	12.7	5	25	5	0.1	8	KJ	
BZX84C13CCH	13	12.4	14.1	5	30	5	0.1	8	KK	
BZX84C15CCH	15	14.3	15.8	5	30	5	0.05	10.5	KM	
BZX84C16CCH	16	15.3	17.1	5	40	5	0.05	11.2	KN	
BZX84C18CCH	18	16.8	19.1	6	45	6	0.05	12.6	KP	
BZX84C20CCH	20	18.8	21.2	5	55	5	0.05	14.0	KR	
BZX84C22CCH	22	20.8	23.3	5	55	5	0.05	15.4	KX	
BZX84C24CCH	24	22.8	25.6	5	70	5	0.05	16.8	KY	
BZX84C27CCH	27	25.1	28.9	2	80	2	0.05	18.9	KZ	
BZX84C30CCH	30	28.0	32.0	2	80	2	0.05	21.0	MA	
BZX84C33CCH	33	31.0	35.0	2	80	2	0.05	23.1	MB	
BZX84C36CCH	36	34.0	38.0	2	90	2	0.05	25.2	MC	
BZX84C39CCH	39	37.0	41.0	2	130	2	0.05	27.3	MD	
BZX84C43CCH	43	40.0	46.0	2	150	2	0.05	30.1	ME	
BZX84C47CCH	47	44.0	50.0	2	170	2	0.05	32.9	MF	



NOTE : Tested with pulses tp = 20 ms.

ZENER ZENER DIODES

ZENER DIODES

500mW / SOD-123 (Flat lead) / Halogen-free

Tolerance approximately $\pm 5\%$

TYPE	Zener Voltage Range (NOTE 1, 2)				Max. Zener Impedance (NOTE 3)			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μ A)	(V)		
MM1Z5221BH	2.4	2.28	2.52	20	30	1200	0.25	100	1	A4	
MM1Z5223BH	2.7	2.57	2.84	20	30	1300	0.25	75	1	B4	
MM1Z5225BH	3.0	2.85	3.15	20	29	1600	0.25	50	1	C4	
MM1Z5226BH	3.3	3.14	3.47	20	28	1600	0.25	25	1	D4	
MM1Z5227BH	3.6	3.42	3.78	20	24	1700	0.25	15	1	E4	
MM1Z5228BH	3.9	3.71	4.10	20	23	1900	0.25	10	1	F4	
MM1Z5229BH	4.3	4.09	4.52	20	22	2000	0.25	5	1	H4	
MM1Z5230BH	4.7	4.47	4.94	20	19	1900	0.25	5	2	J4	
MM1Z5231BH	5.1	4.85	5.36	20	17	1600	0.25	5	2	K4	
MM1Z5232BH	5.6	5.32	5.88	20	11	1600	0.25	5	3	M4	
MM1Z5234BH	6.2	5.89	6.51	20	7	1000	0.25	5	4	N4	
MM1Z5235BH	6.8	6.46	7.14	20	5	750	0.25	3	5	P4	
MM1Z5236BH	7.5	7.13	7.88	20	6	500	0.25	3	6	R4	
MM1Z5237BH	8.2	7.79	8.61	20	8	500	0.25	3	6.5	X4	
MM1Z5239BH	9.1	8.65	9.56	20	10	600	0.25	3	7	Y4	
MM1Z5240BH	10	9.50	10.50	20	17	600	0.25	3	8	Z4	
MM1Z5241BH	11	10.45	11.55	20	22	600	0.25	2	8.4	A5	
MM1Z5242BH	12	11.40	12.60	20	30	600	0.25	1	9.1	B5	
MM1Z5243BH	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	C5	
MM1Z5245BH	15	14.25	15.75	8.5	16	600	0.25	0.1	11	D5	
MM1Z5246BH	16	15.20	16.80	7.8	17	600	0.25	0.1	12	E5	
MM1Z5248BH	18	17.10	18.90	7.0	21	600	0.25	0.1	14	F5	
MM1Z5249BH	19	18.05	19.95	6.6	23	600	0.25	0.1	14	K9	
MM1Z5250BH	20	19.00	21.00	6.2	25	600	0.25	0.1	15	H5	
MM1Z5251BH	22	20.90	23.10	5.6	29	600	0.25	0.1	17	J5	
MM1Z5252BH	24	22.80	25.20	5.2	33	600	0.25	0.1	18	K5	
MM1Z5253BH	25	23.75	26.25	5.0	35	600	0.25	0.1	19	M9	
MM1Z5254BH	27	25.65	28.35	4.6	41	600	0.25	0.1	21	M5	
MM1Z5256BH	30	28.50	31.50	4.2	49	600	0.25	0.1	23	N5	
MM1Z5257BH	33	31.35	34.65	3.8	58	700	0.25	0.1	25	P5	
MM1Z5258BH	36	34.20	37.80	3.4	70	700	0.25	0.1	27	R5	
MM1Z5259BH	39	37.05	40.95	3.2	80	800	0.25	0.1	30	X5	
MM1Z5260BH	43	40.85	45.15	3.0	93	900	0.25	0.1	33	Y5	
MM1Z5261BH	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	Z5	
MM1Z5262BH	51	48.45	53.55	2.5	125	1100	0.25	0.1	39	A6	
MM1Z5263BH	56	53.20	58.80	2.2	150	1300	0.25	0.1	43	B6	
MM1Z5265BH	62	58.90	65.10	2.0	185	1400	0.25	0.1	47	C6	
MM1Z5266BH	68	64.60	71.40	1.8	230	1600	0.25	0.1	52	D6	
MM1Z5267BH	75	71.25	78.75	1.7	270	1700	0.25	0.1	56	E6	

NOTES : (1) V_Z is tested with pulses (20 ms)

(2) Nominal Zener voltage is measured with the device junction in thermal equilibrium at T_L = 30°C \pm 1°C

(3) Z_{ZT} and Z_{ZK} are measured by dividing the AC voltage drop across the device by the AC current applied.

The specified limits are for I_{Z(AC)} = 0.1 I_{Z(DC)} with the AC frequency = 1KHz.

ZENER DIODES

500mW / SOD-123 (Flat lead) / Halogen-free
Tolerance approximately $\pm 2\%$



TYPE	Zener Voltage Range (NOTE 1)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{zT}	I _{zT}	I _R @ V _R			
	Nom. (V)	Min. (V)	Max. (V)	I _{zT} (mA)	Ω	(mA)	(μA)	(V)		
MM1Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	5Z1	
MM1Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	6A1	
MM1Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	6B1	
MM1Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	6C1	
MM1Z3B9H	3.9	3.822	3.978	5	130	5	5.0	1.0	6D1	
MM1Z4B3H	4.3	4.214	4.386	5	130	5	5.0	1.0	6E1	
MM1Z4B7H	4.7	4.606	4.794	5	130	5	2.0	1.0	6F1	
MM1Z5B1H	5.1	4.998	5.202	5	130	5	2.0	1.5	6G1	
MM1Z5B6H	5.6	5.488	5.712	5	80	5	1.0	2.5	6H1	
MM1Z6B2H	6.2	6.076	6.324	5	50	5	1.0	3.0	6J1	
MM1Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	6K1	
MM1Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4.0	6L1	
MM1Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5.0	6M1	
MM1Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6.0	6N1	
MM1ZB10H	10	9.800	10.200	5	30	5	0.1	7.0	6P1	
MM1ZB11H	11	10.780	11.220	5	30	5	0.1	8.0	6Q1	
MM1ZB12H	12	11.760	12.240	5	35	5	0.1	9.0	6R1	
MM1ZB13H	13	12.740	13.260	5	35	5	0.1	10.0	6S1	
MM1ZB15H	15	14.700	15.300	5	40	5	0.1	11.0	6T1	
MM1ZB16H	16	15.680	16.320	5	40	5	0.1	12.0	6U1	
MM1ZB18H	18	17.640	18.360	5	45	5	0.1	13.0	6W1	
MM1ZB20H	20	19.600	20.400	5	50	5	0.1	15.0	6X1	
MM1ZB22H	22	21.560	22.440	5	55	5	0.1	17.0	6Y1	
MM1ZB24H	24	23.520	24.480	5	60	5	0.1	19.0	6Z1	
MM1ZB27H	27	26.460	27.540	5	70	2	0.1	21.0	7A1	
MM1ZB30H	30	29.400	30.600	5	80	2	0.1	23.0	7B1	
MM1ZB33H	33	32.340	33.660	5	80	2	0.1	25.0	7C1	
MM1ZB36H	36	35.280	36.720	5	90	2	0.1	27.0	7D1	
MM1ZB39H	39	38.220	39.780	2.5	100	2	2.0	30.0	7E1	
MM1ZB43H	43	42.140	43.860	2.5	130	2	2.0	33.0	7F1	
MM1ZB47H	47	46.060	47.940	2.5	150	2	2.0	36.0	7G1	
MM1ZB51H	51	49.980	52.020	2.5	180	2	1.0	39.0	7H1	
MM1ZB56H	56	54.880	57.120	2.5	180	2	1.0	43.0	7J1	
MM1ZB62H	62	60.760	63.240	2.5	200	2	0.2	47.0	7K1	
MM1ZB68H	68	66.640	69.360	2.5	250	2	0.2	52.0	7L1	
MM1ZB75H	75	73.500	76.500	2.5	300	2	0.2	57.0	7M1	

NOTE : V_Z is tested with pulses (20 ms)

ZENER

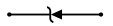
ZENER DIODES

ZENER DIODES

500mW / LL-34 (SOD-80)



TYPE	Zener Voltage Range (NOTE)				Max. Zener Impedance			Max. Reverse Leakage Current		Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R		
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)	
BZT52C2V4	2.4	2.2	2.6	5	100	600	1.0	50	1.0	
BZT52C2V7	2.7	2.5	2.9	5	100	600	1.0	20	1.0	
BZT52C3V0	3.0	2.8	3.2	5	95	600	1.0	10	1.0	
BZT52C3V3	3.3	3.1	3.5	5	95	600	1.0	5	1.0	
BZT52C3V6	3.6	3.4	3.8	5	90	600	1.0	5	1.0	
BZT52C3V9	3.9	3.7	4.1	5	90	600	1.0	3	1.0	
BZT52C4V3	4.3	4.0	4.6	5	90	600	1.0	3	1.0	
BZT52C4V7	4.7	4.4	5.0	5	80	500	1.0	3	2.0	
BZT52C5V1	5.1	4.8	5.4	5	60	480	1.0	2	2.0	
BZT52C5V6	5.6	5.2	6.0	5	40	400	1.0	1	2.0	
BZT52C6V2	6.2	5.8	6.6	5	10	150	1.0	3	4.0	
BZT52C6V8	6.8	6.4	7.2	5	15	80	1.0	2	4.0	
BZT52C7V5	7.5	7.0	7.9	5	15	80	1.0	1	5.0	
BZT52C8V2	8.2	7.7	8.7	5	15	80	1.0	0.7	5.0	
BZT52C9V1	9.1	8.5	9.6	5	15	100	1.0	0.5	6.0	
BZT52C10	10	9.4	10.6	5	20	150	1.0	0.2	7.0	
BZT52C11	11	10.4	11.6	5	20	150	1.0	0.1	8.0	
BZT52C12	12	11.4	12.7	5	25	150	1.0	0.1	8.0	
BZT52C13	13	12.4	14.1	5	30	170	1.0	0.1	8.0	
BZT52C15	15	13.8	15.6	5	30	200	1.0	0.1	10.5	
BZT52C16	16	15.3	17.1	5	40	200	1.0	0.1	11.2	
BZT52C18	18	16.8	19.1	5	45	225	1.0	0.1	12.6	
BZT52C20	20	18.8	21.2	5	55	225	1.0	0.1	14.0	
BZT52C22	22	20.8	23.3	5	55	250	1.0	0.1	15.4	
BZT52C24	24	22.8	25.6	5	70	250	1.0	0.1	16.8	
BZT52C27	27	25.1	28.9	2	80	300	0.5	0.1	18.9	
BZT52C30	30	28.0	32.0	2	80	300	0.5	0.1	21.0	
BZT52C33	33	31.0	35.0	2	80	325	0.5	0.1	23.1	
BZT52C36	36	34.0	38.0	2	90	350	0.5	0.1	25.2	
BZT52C39	39	37.0	41.0	2	130	350	0.5	0.1	27.3	



NOTE : V_Z is tested with pulses (20 ms)

ZENER

ZENER DIODES

ZENER DIODES

500mW / DO-35

Tolerance approximately $\pm 5\%$

TYPE	Zener Voltage Range (NOTE 3)				Max. Zener Impedance (NOTE 1)			Max. Reverse Leakage Current (NOTE 2)		Equivalent Circuit Diagram
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R		
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μ A)	(V)	
1N5223B	2.7	2.57	2.84	20.0	30	1300	0.25	75	1.0	
1N5224B	2.8	2.66	2.94	20.0	30	1400	0.25	75	1.0	
1N5225B	3.0	2.85	3.15	20.0	29	1600	0.25	50	1.0	
1N5226B	3.3	3.14	3.47	20.0	28	1600	0.25	25	1.0	
1N5227B	3.6	3.42	3.78	20.0	24	1700	0.25	15	1.0	
1N5228B	3.9	3.71	4.10	20.0	23	1900	0.25	10	1.0	
1N5229B	4.3	4.09	4.52	20.0	22	2000	0.25	5	1.0	
1N5230B	4.7	4.47	4.94	20.0	19	1900	0.25	5	2.0	
1N5231B	5.1	4.85	5.36	20.0	17	1600	0.25	5	2.0	
1N5232B	5.6	5.32	5.88	20.0	11	1600	0.25	5	3.0	
1N5233B	6.0	5.70	6.30	20.0	7	1600	0.25	5	3.5	
1N5234B	6.2	5.89	6.51	20.0	7	1000	0.25	5	4.0	
1N5235B	6.8	6.46	7.14	20.0	5	750	0.25	3	5.0	
1N5236B	7.5	7.13	7.88	20.0	6	500	0.25	3	6.0	
1N5237B	8.2	7.79	8.61	20.0	8	500	0.25	3	6.5	
1N5238B	8.7	8.27	9.14	20.0	8	600	0.25	3	6.5	
1N5239B	9.1	8.65	9.56	20.0	10	600	0.25	3	7.0	
1N5240B	10	9.50	10.50	20.0	17	600	0.25	3	8.0	
1N5241B	11	10.45	11.55	20.0	22	600	0.25	2	8.4	
1N5242B	12	11.40	12.60	20.0	30	600	0.25	1	9.1	
1N5243B	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	
1N5244B	14	13.30	14.70	9.0	15	600	0.25	0.1	10	
1N5245B	15	14.25	15.75	8.5	16	600	0.25	0.1	11	
1N5246B	16	15.20	16.80	7.8	17	600	0.25	0.1	12	
1N5247B	17	16.15	17.85	7.4	19	600	0.25	0.1	13	
1N5248B	18	17.10	18.90	7.0	21	600	0.25	0.1	14	
1N5249B	19	18.05	19.95	6.6	23	600	0.25	0.1	14	
1N5250B	20	19.00	21.00	6.2	25	600	0.25	0.1	15	
1N5251B	22	20.90	23.10	5.6	29	600	0.25	0.1	17	
1N5252B	24	22.80	25.20	5.2	33	600	0.25	0.1	18	
1N5253B	25	23.75	26.25	5.0	35	600	0.25	0.1	19	
1N5254B	27	25.65	28.35	4.6	41	600	0.25	0.1	21	
1N5255B	28	26.60	29.40	4.5	44	600	0.25	0.1	21	
1N5256B	30	28.50	31.50	4.2	49	600	0.25	0.1	23	
1N5257B	33	31.35	34.65	3.8	58	700	0.25	0.1	25	
1N5258B	36	34.20	37.80	3.4	70	700	0.25	0.1	27	
1N5259B	39	37.05	40.95	3.2	80	800	0.25	0.1	30	
1N5260B	43	40.85	45.15	3.0	93	900	0.25	0.1	33	
1N5261B	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	

NOTES : (1) The Zener Impedance is derived from the 60Hz AC voltage which results when an AC current having an RMS value equal to 10% of the Zener current (I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK}. Zener Impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units.

(2) Valid provided that leads at a distance of 8 mm from case and kept at ambient temperature.

(3) Tested with pulses t_p = 20 ms.

ZENER DIODES

1000mW / Glass Case DO-204AL (DO-41)
Tolerance approximately $\pm 5\%$

TYPE	Zener Voltage Range (NOTE 3, 5)				Max. Zener Impedance (NOTE 1)			Max. Reverse Leakage Current		Max. Surge Current (NOTE 4)	Max. Regulator Current (NOTE 2)
	V _Z @ I _{ZT}				Z _{ZT} @ I _{ZT}	Z _{ZK} @ I _{ZK}	I _{ZK}	I _R @ V _R		at T _A = 25°C	
	Nom. (V)	Min. (V)	Max. (V)	I _{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)	I _{ZSM} (mA)	I _{ZM} (mA)
1N4728A	3.3	3.13	3.47	76.0	10.0	400	1.00	150	1.0	1375	275
1N4729A	3.6	3.42	3.78	69.0	10.0	400	1.00	100	1.0	1260	252
1N4730A	3.9	3.70	4.10	64.0	9.0	400	1.00	100	1.0	1190	234
1N4731A	4.3	4.08	4.52	58.0	9.0	400	1.00	50	1.0	1070	217
1N4732A	4.7	4.46	4.94	53.0	8.0	500	1.00	10	1.0	970	193
1N4733A	5.1	4.84	5.36	49.0	7.0	550	1.00	10	1.0	890	178
1N4734A	5.6	5.32	5.88	45.0	5.0	600	1.00	10	2.0	810	162
1N4735A	6.2	5.89	6.51	41.0	2.0	700	1.00	10	3.0	730	146
1N4736A	6.8	6.46	7.14	37.0	3.5	700	1.00	10	4.0	660	133
1N4737A	7.5	7.12	7.88	34.0	4.0	700	0.50	10	5.0	605	121
1N4738A	8.2	7.79	8.61	31.0	4.5	700	0.50	10	6.0	550	110
1N4739A	9.1	8.64	9.56	28.0	5	700	0.50	10	7.0	500	100
1N4740A	10.0	9.50	10.50	25.0	7	700	0.25	10	7.6	454	91
1N4741A	11.0	10.45	11.55	23.0	8	700	0.25	5	8.4	414	83
1N4742A	12.0	11.40	12.60	21.0	9	700	0.25	5	9.1	380	76
1N4743A	13.0	12.35	13.65	19.0	10	700	0.25	5	9.9	344	69
1N4744A	15.0	14.25	15.75	17.0	14	700	0.25	5	11.4	304	61
1N4745A	16.0	15.20	16.80	15.5	16	700	0.25	5	12.2	285	57
1N4746A	18.0	17.10	18.90	14.0	20	750	0.25	5	13.7	250	50
1N4747A	20.0	19.00	21.00	12.5	22	750	0.25	5	15.2	225	45
1N4748A	22.0	20.90	23.10	11.5	23	750	0.25	5	16.7	205	41
1N4749A	24.0	22.80	25.20	10.5	25	750	0.25	5	18.2	190	38
1N4750A	27.0	25.65	28.35	9.5	35	750	0.25	5	20.6	170	34
1N4751A	30.0	28.50	31.50	8.5	40	1000	0.25	5	22.8	150	30
1N4752A	33.0	31.35	34.65	7.5	45	1000	0.25	5	25.1	135	27
1N4753A	36.0	34.20	37.80	7.0	50	1000	0.25	5	27.4	125	25
1N4754A	39.0	37.05	40.95	6.5	60	1000	0.25	5	39.7	115	23
1N4755A	43.0	40.85	45.15	6.0	70	1500	0.25	5	32.7	110	22
1N4756A	47.0	44.65	49.35	5.5	80	1500	0.25	5	35.8	95	19
1N4757A	51.0	48.45	53.55	5.0	95	1500	0.25	5	38.8	90	18
1N4758A	56.0	53.20	58.80	4.5	110	2000	0.25	5	42.6	80	16
1N4759A	62.0	58.90	65.10	4.0	125	2000	0.25	5	47.1	70	14

- NOTES : (1) The Zener Impedance is derived from the 60Hz AC voltage which results when an AC current having an RMS value equal to 10% of the Zener current (I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK}. Zener Impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units.
- (2) Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.
- (3) Measured under thermal equilibrium and DC test conditions.
- (4) The rating listed in the electrical characteristics table is maximum peak, non-repetitive, reverse surge current of 1/2 square wave or equivalent sine wave pulse of 1/120 second duration superimposed on the test current I_{ZT}.
- (5) Tested with pulses t_p = 20 ms.

SMALL SIGNAL SCHOTTKY BARRIER DIODE

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Equivalent Circuit Diagram
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	
	V	A	A	uA	A	V	

0.2 AMPERE / SOD-323 / Halogen-free

BAT54HT1GH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 1
------------	----	------	---	---------------------------	------	------	-----------

0.2 AMPERE / SOT-23 / Halogen-free

BAT54RGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 2
BAT54RAGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 5
BAT54RCGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 3
BAT54RSGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 4

0.2 AMPERE / SOT-323 / Halogen-free

BAT54WGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 2
BAT54AWGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 5
BAT54CWGH	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 3
BAT54SWG	30	0.20	-	2.0 (@V _R 25V)	0.10	1.00	CIRCUIT 4






0.5 AMPERE / SOT-23 / Halogen-free

RB411DGH	40	0.50	3	30 (@V _R 10V)	0.50	0.50	CIRCUIT 2
----------	----	------	---	--------------------------	------	------	-----------

1.0 AMPERE / SOT-23 / Halogen-free

RB491DGH	25	1.0	3	200 (@V _R 20V)	1.00	0.45	CIRCUIT 2
----------	----	-----	---	---------------------------	------	------	-----------

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

SWITCHING DIODES

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Equivalent Circuit Diagram
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR}	
	V	A	A	uA	A	V	nS	

0.1 AMPERE / SOD-323 / Halogen-free

1SS355GH	90	0.10	0.225	0.1 (@V _R 80V)	0.10	1.20	4	CIRCUIT 1
----------	----	------	-------	---------------------------	------	------	---	-----------

0.1 AMPERE / SOT-23 / Halogen-free

MMBD2836GH	75	0.10	-	0.1 (@V _R 50V)	0.10	1.20	4	CIRCUIT 5
MMBD2837GH	75	0.15	-	0.1 (@V _R 30V)	0.10	1.20	4	CIRCUIT 3
MMBD2838GH	75	0.10	-	0.1 (@V _R 50V)	0.10	1.20	4	CIRCUIT 3

0.1 AMPERE / SOD-523 / Halogen-free

1SS400GH	90	0.10	0.5	0.1 (@V _R 80V)	0.10	1.20	4	CIRCUIT 1
----------	----	------	-----	---------------------------	------	------	---	-----------

0.125 AMPERE / SOD-523 / Halogen-free

1N4148WTGH	75	0.125	2.0 (@ t = 1.0us)	1.0 (@V _R 75V)	0.15	1.25	4	CIRCUIT 1
------------	----	-------	-------------------	---------------------------	------	------	---	-----------

0.15 AMPERE / SOD-123 / Halogen-free

1N4148WGH	75	0.15	2.0 (@ t = 1.0us)	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 1
-----------	----	------	-------------------	---------------------------	------	------	---	-----------


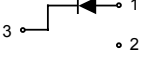


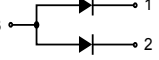
0.15 AMPERE / SOD-323 / Halogen-free

1N4148WSGH	75	0.15	0.35 (@ t < 1.0s)	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 1
------------	----	------	-------------------	---------------------------	------	------	---	-----------

0.20 AMPERE / DO-35 / Halogen-free

1N4148GH	75	0.20	4.0 (@ t = 1.0us)	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 1
----------	----	------	-------------------	---------------------------	------	------	---	-----------

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

SWITCHING DIODES

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Current @ 25°C T _A	Max. Forward Voltage @ 25°C T _A		Max. Reverse Recovery Time	Equivalent Circuit Diagram
	V _{RRM}	I _O	I _{FSM} (Surge)	I _R	I _F	V _F	T _{RR}	
	V	A	A	µA	A	V	nS	

0.2 AMPERE / SOD-80 (LL-34) / Halogen-free



LL4148GH	100	0.2	4.0 (t = 1.0µs)	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 1
----------	-----	-----	-----------------	---------------------------	------	------	---	-----------

0.2 AMPERE / SOD-323 / Halogen-free



BAS16HT1GH	75	0.2	0.5	1.0 (@V _R 75V)	0.15	1.25	6	CIRCUIT 1
BAS21HT1GH	250	0.2	0.625	1.0 (@V _R 200V)	0.20	1.25	50	CIRCUIT 1
MMDL914T1GH	100	0.2	0.5	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 1

0.2 AMPERE / SOT-323 / Halogen-free



BAV70WGH	70	0.2	0.5	0.5 (@V _R 70V)	0.15	1.25	6	CIRCUIT 3
BAW56WGH	70	0.2	4.5 (t = 1.0µs)	2.5 (@V _R 70V)	0.15	1.25	6	CIRCUIT 5

0.2 AMPERE / SOT-23 / Halogen-free



BAS16GH	75	0.2	0.5	1.0 (@V _R 75V)	0.15	1.25	6	CIRCUIT 2
BAS21GH	250	0.2	0.625	0.1 (@V _R 200V)	0.20	1.25	50	CIRCUIT 2
BAV70GH	70	0.2	0.5	2.5 (@V _R 70V)	0.15	1.25	6	CIRCUIT 3
BAW56GH	70	0.2	0.5	2.5 (@V _R 70V)	0.15	1.25	6	CIRCUIT 5
MMBD7000GH	100	0.2	0.5	3.0 (@V _R 100V)	0.10	1.10	4	CIRCUIT 4
MMBD914GH	100	0.2	0.5	5.0 (@V _R 75V)	0.01	1.00	4	CIRCUIT 2

0.215 AMPERE / SOT-323 / Halogen-free



BAV99WGH	70	0.2	4.5 (t = 1.0µs)	5.0 (@V _R 70V)	0.15	1.25	6	CIRCUIT 4
----------	----	-----	-----------------	---------------------------	------	------	---	-----------

0.215 AMPERE / SOT-23 / Halogen-free



BAV99GH	70	0.215	0.5	2.5 (@V _R 70V)	0.15	1.25	6	CIRCUIT 4
---------	----	-------	-----	---------------------------	------	------	---	-----------

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

TRANSISTORS



SOT-23 / Halogen-free

TYPE	V _{CB0}	V _{CEO}	I _C	P _D	H _{FE}		V _{CE(sat)}		f _T	Equivalent Circuit Diagram
	(V)	(V)	(mA)	(mW)	Min. / Max.	I _C / V _{CE} (mA / V)	Max. (V)	I _C / I _B (mA)	MHz	
MMBT3906GH	-40	-40	-200	225	100 / 300	-10 / -1.0	-0.4	-50 / -5.0	250	CIRCUIT 2
MMBT4403GH	-40	-40	-600	225	100 / 300	-150 / -2.0	-0.75	-500 / -50	200	CIRCUIT 2
MMBT2907AGH	-60	-60	-600	225	100 / 300	-150 / -10	-0.4	-150 / -15	200	CIRCUIT 2
MMBT5401GH	-160	-150	-500	225	60 / 240	-10 / -5	-0.5	-50 / -5.0	300	CIRCUIT 2
MMBT3904GH	60	40	200	225	100 / 300	10 / 1.0	0.3	50 / 5.0	300	CIRCUIT 1
MMBT4401GH	60	40	600	225	100 / 300	150 / 1.0	0.75	500 / 50	250	CIRCUIT 1
MMBT2222AGH	75	40	600	225	100 / 300	150 / 10	0.3	150 / 15	300	CIRCUIT 1
MMBT5551GH	160	140	600	225	80 / 250	10 / 5.0	0.2	50 / 5.0	-	CIRCUIT 1

NOTE : OPERATING AND STORAGE TEMPERATURE RANGE -55°C to +150°C



SOT-323 / Halogen-free

TYPE	V _{CB0}	V _{CEO}	I _C	P _D	H _{FE}		V _{CE(sat)}		f _T	Equivalent Circuit Diagram
	(V)	(V)	(mA)	(mW)	Min. / Max.	I _C / V _{CE} (mA / V)	Max. (V)	I _C / I _B (mA)	MHz (Min.)	
MMBT3906WGH	-40	-40	-200	225	100 / 300	-10 / 1.0	-0.4	-50 / -5.0	250	CIRCUIT 2
MMBT3904WGH	60	40	200	225	100 / 300	10 / 1.0	0.3	50 / 5.0	300	CIRCUIT 1

NOTE : OPERATING AND STORAGE TEMPERATURE RANGE -55°C to +150°C

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2
SYMBOL		

PACKING OF DIODES AND BRIDGE RECTIFIERS

BULK PACKING

OUTLINE		BOX (PCS)	CARTON (PCS)	CARTON SIZE (m/m)	
R-1		1,000	50,000	475 * 220 * 275	
DO-204AL (DO-41)		1,000	50,000		
DO-204AC (DO-15)		1,000	50,000		
DO-201AD / DO-201AE (DO-27)		500	12,000	335 * 320 * 275	
P-600		200	4,800		
DFM	50Pcs / Tube Pack	2,500	15,000	490 * 240 * 310	
DFS		5,000	30,000		
GBL / GBL-LS	Bulk Tube	20 Pcs / Tube Pack	1,400	2,800	530 * 340 * 180
GBU / GBU-LC	Bulk Tube		720	2,880	573 * 331 * 210
GBJ / GBJ-LB	Bulk Tube	15 Pcs / Tube Pack	540	2,160	530 * 340 * 180
KBJ	Bulk Tube	20 Pcs / Tube Pack	1,000	2,000	590 * 370 * 200
GBP	Bulk Tube	25 Pcs / Tube Pack	1,250	5,000	430 * 330 * 165
KBL		500	3,000	490 * 240 * 192	
GBPC		50	500	445 * 215 * 260	
GBPC-W		50	500		
TO-220AB / ITO-220AB TO-220AC / ITO-220AC	50Pcs / Tube Pack	2,000	8,000	565 * 315 * 200	

REEL PACKING

OUTLINE		REEL (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
R-1		5,000	20,000	340 * 340 * 360
DO-204AL (DO-41)		5,000	20,000	
DO-204AC (DO-15)		4,000	16,000	
DO-201AD / DO-201AE (DO-27)		1,250	5,000	
P-600		750	3,000	
R-6		750	3,000	

PACKING OF DIODES AND BRIDGE RECTIFIERS

REEL PACKING

OUTLINE	REEL (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
DO-214AC (SMA)	13"	7,500	360 * 360 * 240
DO-214AC (SMA) Schottky Products	13"	5,000	
DO-214AA (SMB)	13"	3,000	
DO-214AB (SMC)	13"	3,000	
Z4PAK MBCR / MBCN / MBC	13"	5,000	
DFS	13"	1,000	
Z5PAK / Z5PAK-T / Z6PAK Z4PAK-D / 3220	13"	3,000	
Z1PAK / Z1PAK-S 0603 0805	7"	3,000	400 * 207 * 240
Z2PAK / Z2APAK 1206 / 1206-S 2010	7"	3,000	
Z3PAK / Z3PAK-T 2114	13"	5,000	360 * 360 * 240
SOD-80	7"	2,500	400 * 207 * 240
SOT-23 / SOT-323 SOD-123 SOD-123 (Flat lead) SOD-323 SOD-323 (Flat lead) SOD-523 / SOD-723	7"	3,000	60,000 120,000 400 * 207 * 240 360 * 360 * 240
SOD-523 (Zener Products)	7"	4,000	80,000 160,000 400 * 207 * 240
SOD-723 (Schottky Products)	7"	4,000	80,000 160,000 360 * 360 * 240

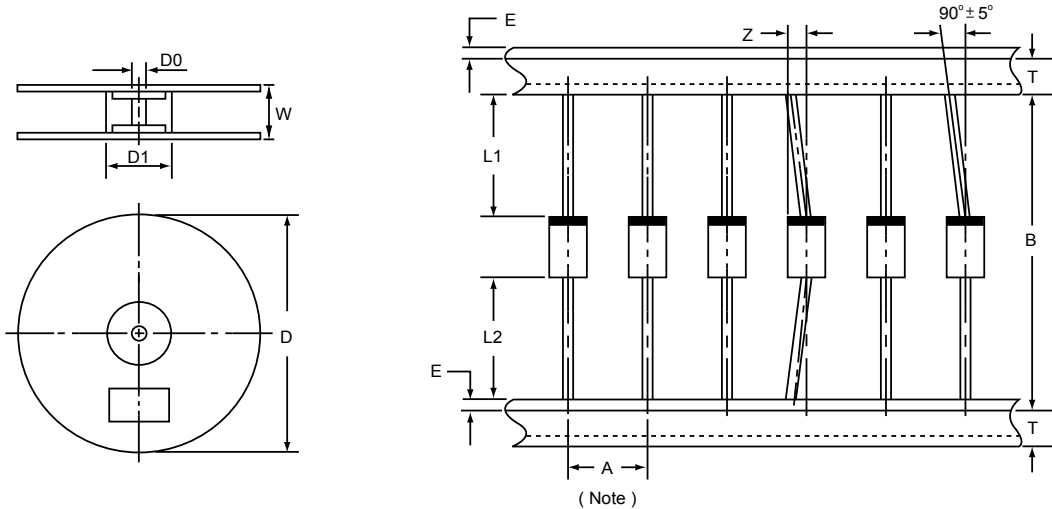
AMMO BOX PACKING (52mm Taping)

OUTLINE	BOX (PCS)	BOX SIZE (m/m)	CARTON (PCS)	CARTON SIZE (m/m)
DO-35	5,000	262 * 77 * 76	50,000	360 * 360 * 240
DO-41(Glass)	2,500	262 * 77 * 76	25,000	
R-1	3,000	250 * 80 * 90	45,000	340 * 340 * 360
	5,000	260 * 80 * 160	50,000	460 * 280 * 355
DO-204AL (DO-41)	5,000	260 * 80 * 160	50,000	460 * 280 * 355
DO-204AC (DO-15)	3,000	260 * 80 * 160	30,000	
DO-201AD (DO-27)	1,200	260 * 80 * 160	12,000	
DO-201AE (DO-27)	1,000	260 * 80 * 160	10,000	

AXIAL LEAD TAPING SPECIFICATIONS

Axial lead devices are packed in accordance with EIA standard RS-296-E and specifications given below.

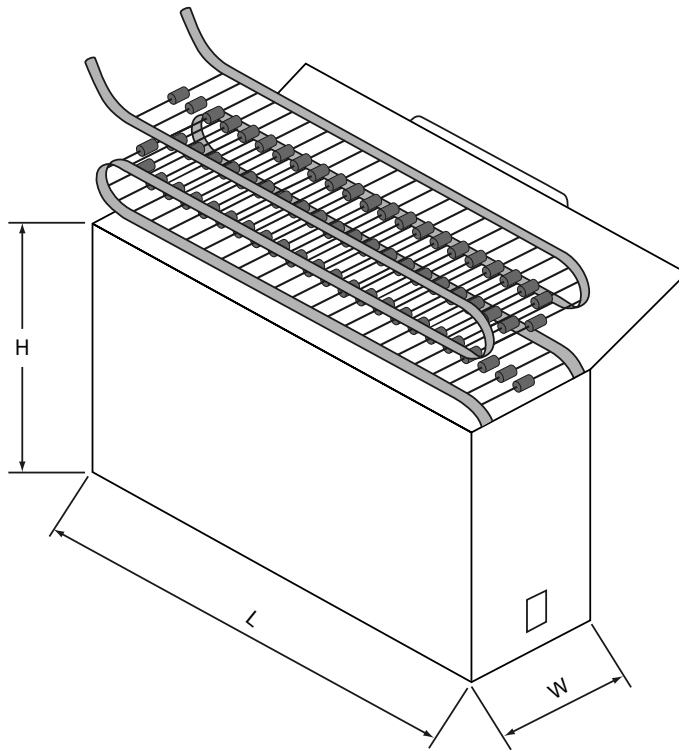
COMPONENT OUTLINE	COMPONENT PITCH A	INNER TAPE PITCH B	CUMULATIVE PITCH TOLERANCE
R-1	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-35 / DO-41 (Glass)	5.0mm ± 0.3mm	52.25mm ± 0.25mm	2.0mm / 10 pitch
DO-204AL (DO-41)	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-204AC (DO-15)	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-201AD (DO-27)	10mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-201AE (DO-27)	10.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
P-600 / R-6	10.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch



ITEM	SYMBOL	SPECIFICATION (m/m)	SPECIFICATION (inch)
Component alignment	Z	1.2 max.	0.048 max.
Tape width	T	6.0 ± 0.4	0.236 ± 0.016
Exposed adhesive	E	0.8 max.	0.032 max.
Body eccentricity	L1-L2	1.0 max.	0.040 max.
Reel outside diameter	D	330.0 ± 2.0	13.0 ± 0.08
Reel inner diameter	D1	85.7 ± 0.3	3.375 ± 0.012
Feed hole diameter	D0	16.6 ± 0.4	0.655 ± 0.016
Reel width	W	79.0 ± 1.0	3.110 ± 0.040

NOTE : Each component lead shall be sandwiched between tapes for a minimum of 3.2mm (0.126")

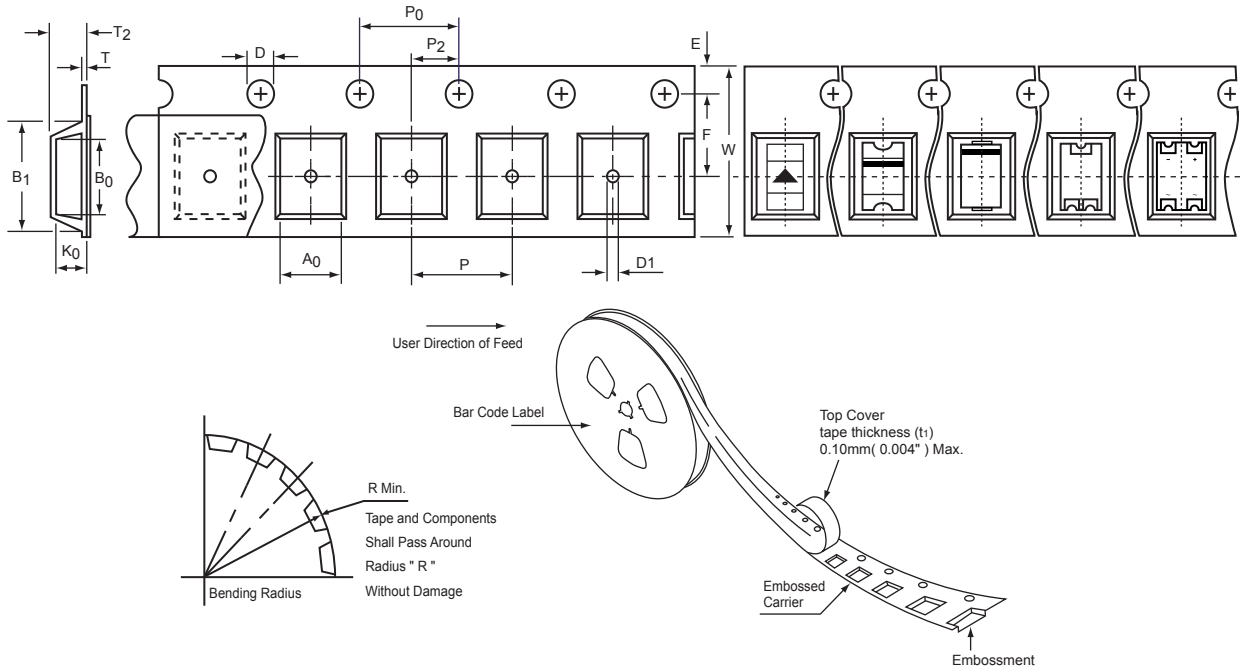
AMMO PACK DIMENSIONS



Unit : Millimeters (Inches)

Outline	Dimension			Quantity
	Length (L)	Width (W)	Height (H)	
R-1	250 ± 10 (9.84 ± 0.4)	80 ± 5 (3.15 ± 0.2)	90 ± 10 (3.54 ± 0.4)	3,000
	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	5,000
DO-35	262 ± 5 (10.31 ± 0.2)	77 ± 5 (3.03 ± 0.2)	76 ± 10 (2.99 ± 0.4)	5,000
DO-41 (Glass)	262 ± 5 (10.31 ± 0.2)	77 ± 5 (3.03 ± 0.2)	76 ± 10 (2.99 ± 0.4)	2,500
DO-204AL (DO-41)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	5,000
DO-204AC (DO-15)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	3,000
DO-201AD (DO-27)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	1,200
DO-201AE (DO-27)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	1,000

SURFACE MOUNT PACKAGING



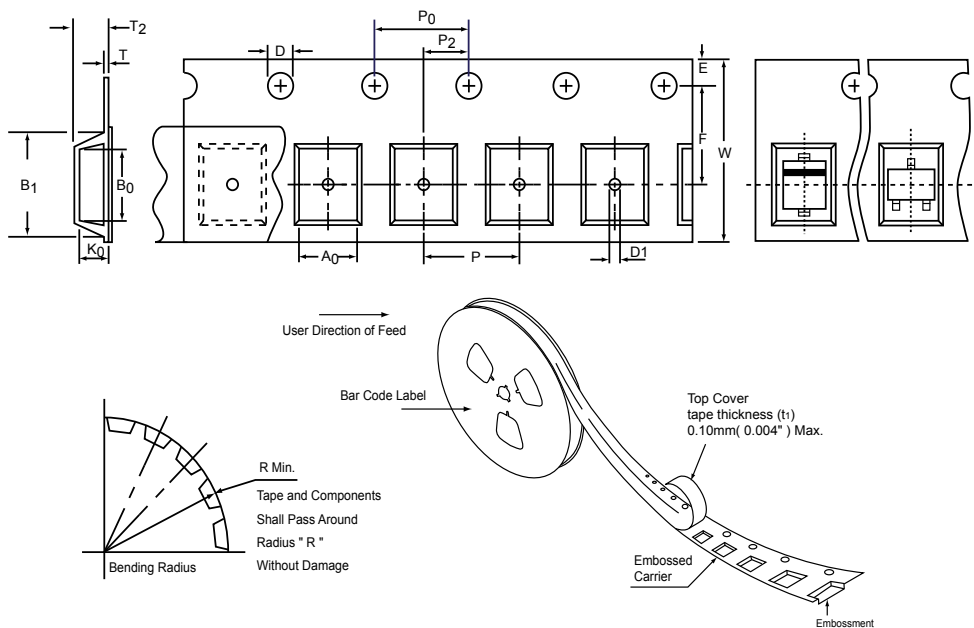
EMBOSED TAPE

Dimensions in millimeters and (inches)

Tape Size	D	E	P0	A0	B0	K0	T max	P2	Constant Dimensions
8 , 12 mm	1.50 ± 0.1 (0.059 ± 0.004)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)	See Note 1			0.40 (0.016)	2.0 ± 0.1 (0.079 ± 0.002)	
16 mm	1.55 ± 0.05 (0.061 ± 0.002)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)						
PRODUCT TYPE	TAPE SIZE	B1	D1	F	P	W	T2	R Min	
0603	8 mm	2.0 max. (0.079 max.)	0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.00 ± 0.10 (0.039 ± 0.004)	25 (0.98)	
Z1PAK Z1PAK-S 0805			0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.22 ± 0.10 (0.048 ± 0.004)	25 (0.98)	
Z2PAK / 1206	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.75 ± 0.1 (0.069 ± 0.004)	30 (1.181)	
1206-S			1.40 ± 0.1 (0.055 ± 0.004)						
Z2APAK 2010	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.51 ± 0.10 (0.059 ± 0.004)	30 (1.181)	
Z3PAK Z3PAK-T Z4PAK MBC / MBCR MBCN 2114			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.65 ± 0.10 (0.065 ± 0.004)	30 (1.181)	
SMA (DO-214AC)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.54 ± 0.10 (0.100 ± 0.004)	30 (1.181)	
SMB (DO-214AA)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.67 ± 0.10 (0.105 ± 0.004)	30 (1.181)	
Z5PAK Z5PAK-T 3220 SMC (DO-214AB)	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	7.50 ± 0.10 (0.295 ± 0.004)	8.00 ± 0.10 (0.315 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	2.50 max. (0.098 max.)	40 (1.575)	
DFS / Z6PAK	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	7.50 ± 0.10 (0.295 ± 0.004)	12.00 ± 0.10 (0.472 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	3.70 max. (0.146 max.)	30 (1.181)	
Z4PAK-D							2.50 max. (0.098 max.)	40 (1.575)	

NOTE : 1. A0 , B0 , and K0 are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") min. to 0.50 mm (0.02") max. for 8 mm tape, 0.05 mm (0.002") min. to 0.65 mm (0.026") max. for 12 mm tape, 0.15 mm (0.006") min. to 0.90 mm (0.035") max. for 16 mm tape.
2. All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

SURFACE MOUNT PACKAGING



EMBOSED TAP

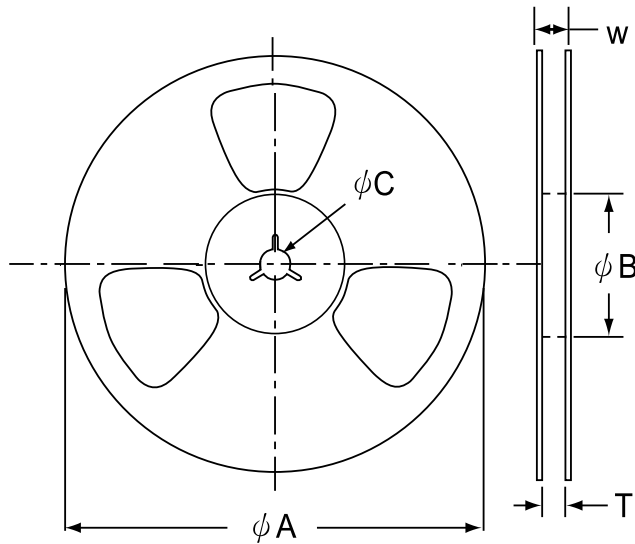
Dimensions in millimeters and (inches)

Tape Size	D	E	P ₀	A ₀	B ₀	K ₀	T max	P ₂	Constant Dimensions
8	1.5 ± 0.1 (0.059 ± 0.004)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)	See Note 1			0.20 (0.008)	2.0 ± 0.1 (0.079 ± 0.002)	
							0.40 (0.016)		
							0.60 (0.024)		
PRODUCT TYPE	TAPE SIZE	B ₁	D ₁	F	P	W	T ₂	R Min	
SOD-80	8 mm	2.00 max (0.079 max)	1.00 min 0.039 min	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.30 max (0.327 max)	2.40 max. (0.094 max.)	25 (0.98)	
SOT-23 SOT-323 SOD-123 SOD-123 / Flat lead SOD-323 SOD-323 / Flat lead SOD-523 SOD-723	8 mm	4.55 max (0.179 max)	1.00 min 0.039 min	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.30 max (0.327 max)	2.40 max. (0.094 max.)		

NOTE : 1. A₀ , B₀ , and K₀ are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") Min. to 0.50 mm (0.02") Max. for 8 mm tape and 12 mm tape, 0.15 mm (0.066") Min. to 0.90 mm (0.035") Max.
 2. All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

TAPING AND PACKAGING

PLASTIC DISK AND SURFACE MOUNT PACKAGE



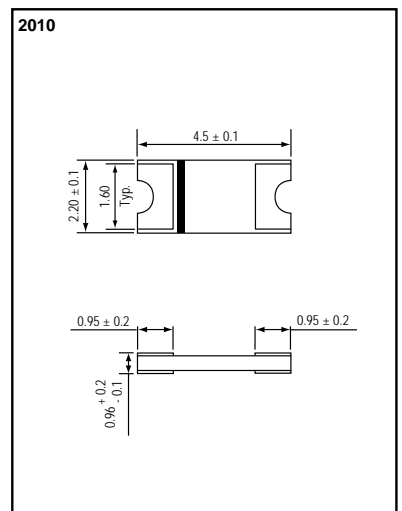
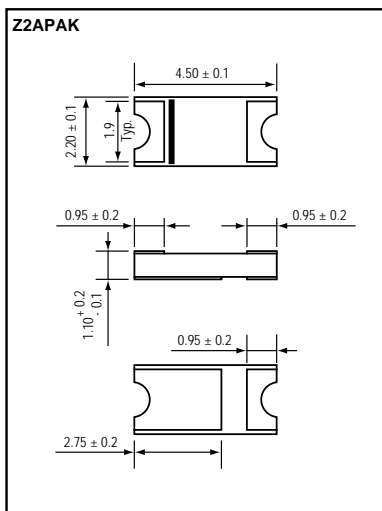
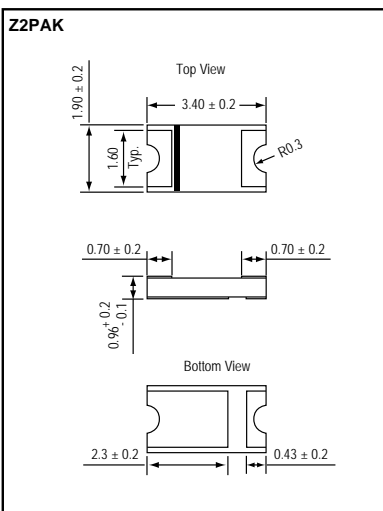
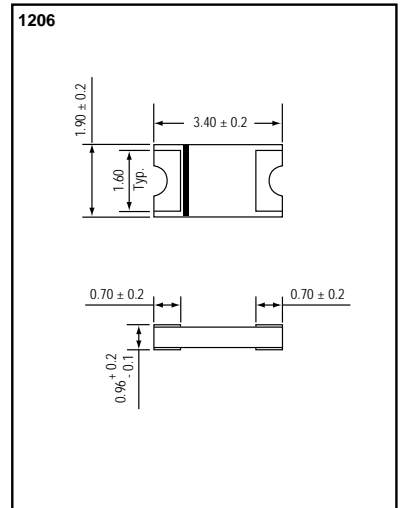
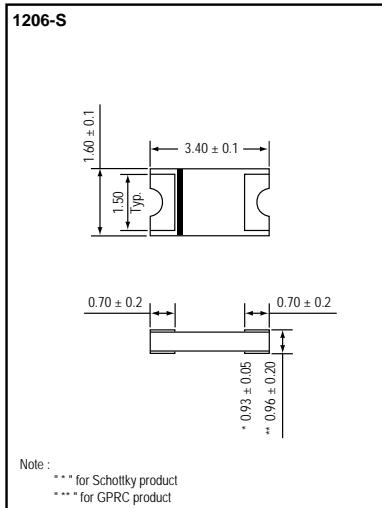
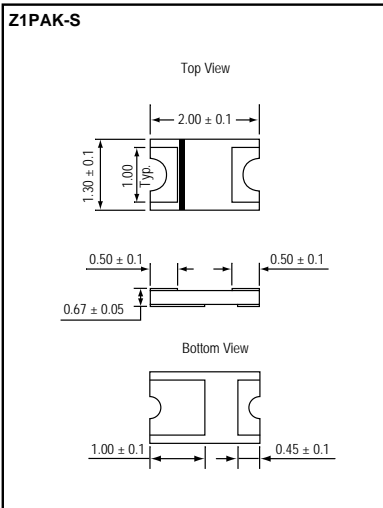
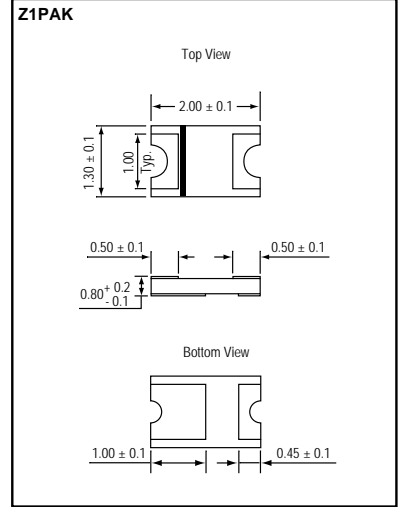
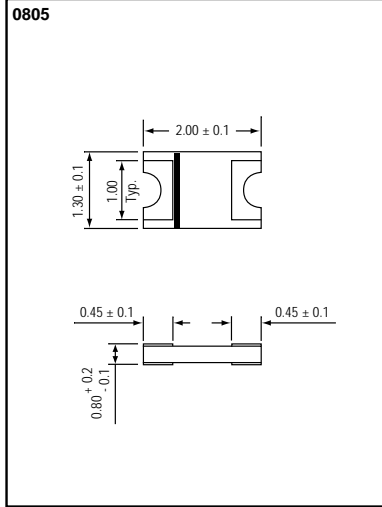
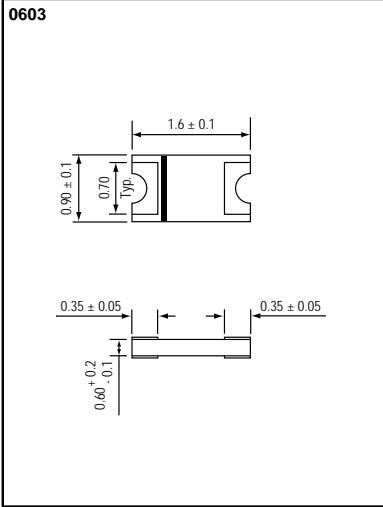
EMBOSSED TAPE

Unit : Millimeters (Inches)

SYMBOL	Tape size	ϕA	ϕB	ϕC	W	T
DO-214AB (SMC) Z4PAK-D / Z5PAK Z5PAK-T / Z6PAK 3220 DFS	16 (0.630)	330 ± 2.0 (12.992 \pm 0.079)	50 min. (1.969 min.)	13.0 ± 0.5 (0.512 \pm 0.020)	22.7 max. (0.893 max.)	18.4 max. (0.724 max.)
Z2PAK / Z2PAK 1206 1206-S 2010	12 (0.472)	178 ± 2.0 (7.008 \pm 0.079)	50 min. (1.969 min.)	13.0 ± 0.5 (0.512 \pm 0.020)	18.7 max. (0.736 max.)	14.4 max. (0.567 max.)
DO-214AC (SMA) DO-214AA (SMB) 2114 / Z3PAK Z3PAK-T / Z4PAK MBC / MBCR / MBCN		330 ± 2.0 (12.992 \pm 0.079)				
Z1PAK 0603 / 0805	8 (0.315)	178 ± 2.0 (7.008 \pm 0.079)	60 ± 0.5 (2.362 \pm 0.020)	13.5 ± 0.5 (0.532 \pm 0.020)	12.0 ± 0.5 (0.472 \pm 0.020)	9.0 ± 0.5 (0.354 \pm 0.020)
SOD-80 SOT-23 SOT-323 SOD-123 SOD-123 / Flat lead SOD-323 SOD-323 / Flat lead SOD-523 SOD-723	8 (0.315)	178 ± 2.0 (7.008 \pm 0.079)	50 min. (1.969 min.)	13.5 ± 0.5 (0.532 \pm 0.020)	14.4 max. (0.567 max.)	$8.40^{+1.50}_{-0.00}$ (0.331 ^{+0.059} _{-0.000})

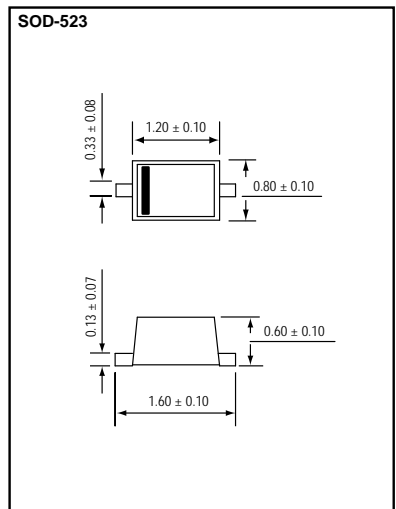
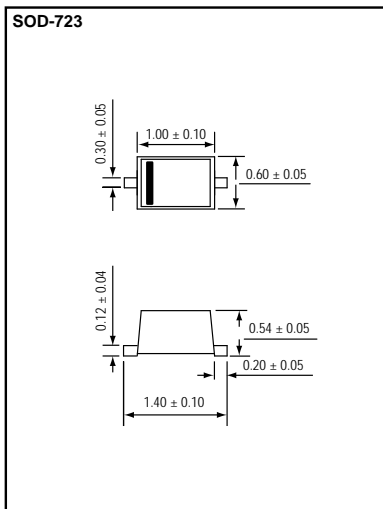
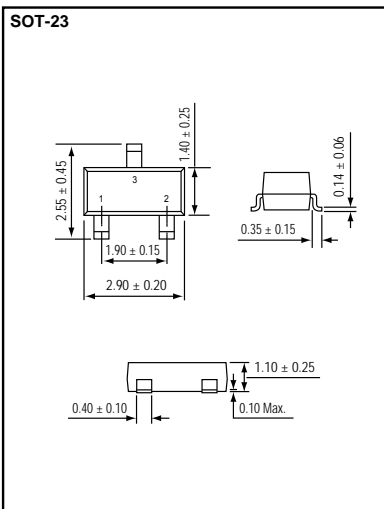
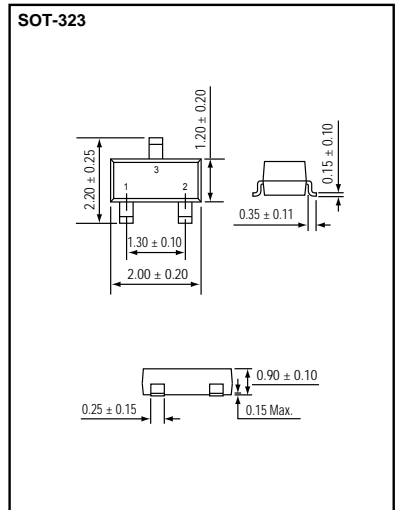
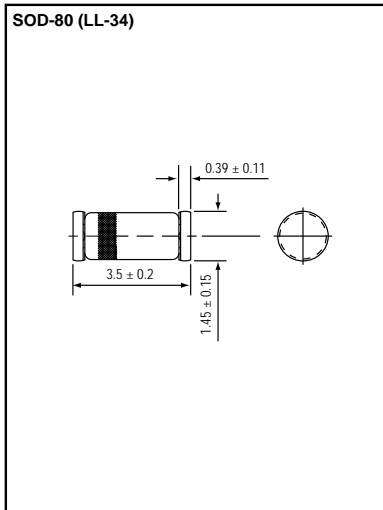
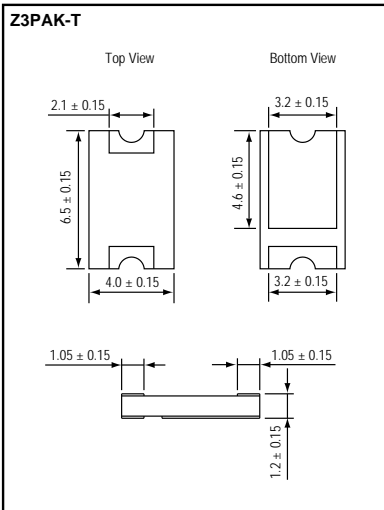
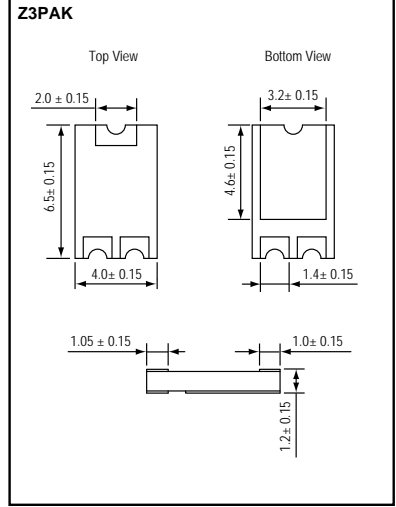
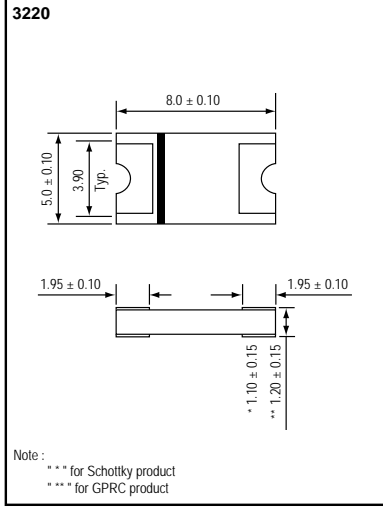
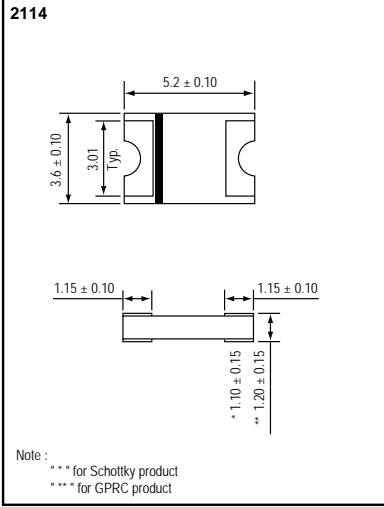
CASE DRAWINGS

Unit : mm



CASE DRAWINGS

Unit : mm

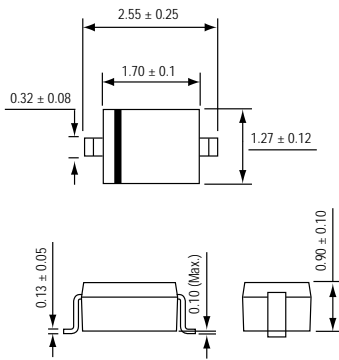


CASE DRAWINGS

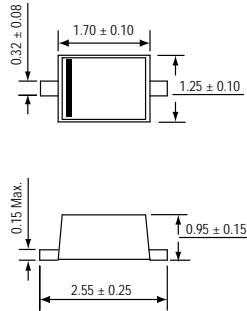
CASE DRAWINGS

Unit : mm

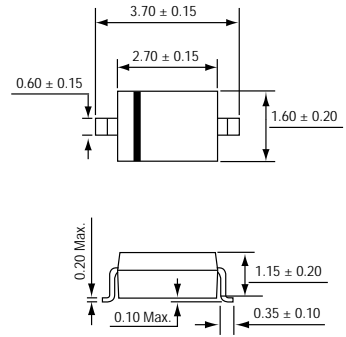
SOD-323



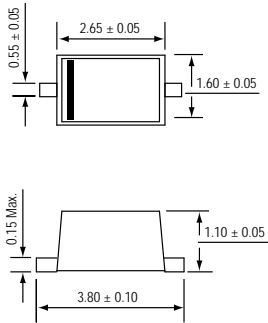
SOD-323 (Flat lead)



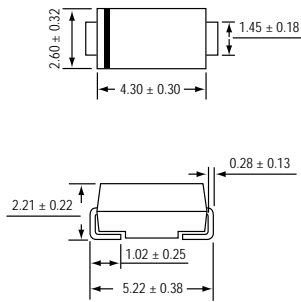
SOD-123



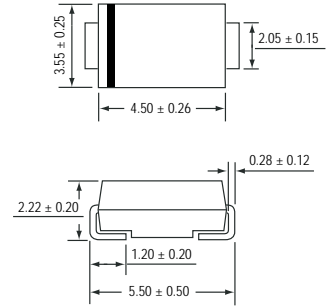
SOD-123 (Flat lead)



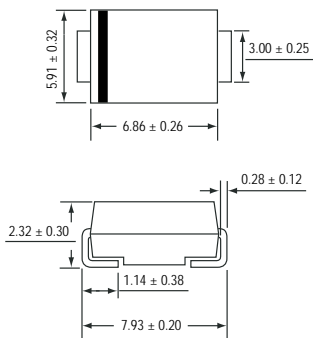
DO-214AC (SMA)



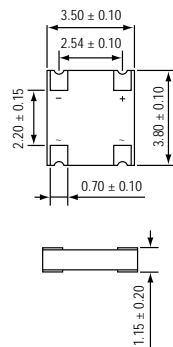
DO-214AA (SMB)



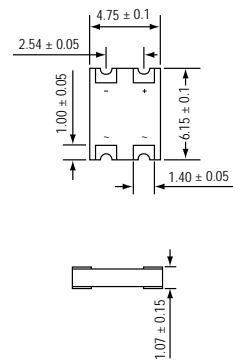
DO-214AB (SMC)



MBCN



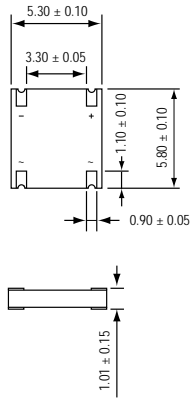
MBC



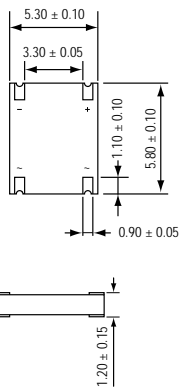
CASE DRAWINGS

Unit : mm

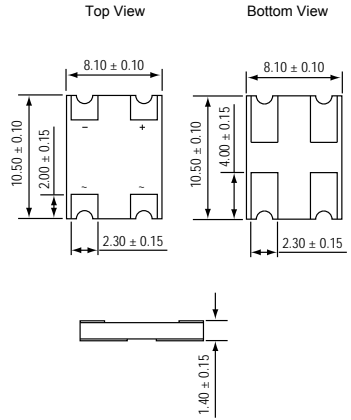
MBCR



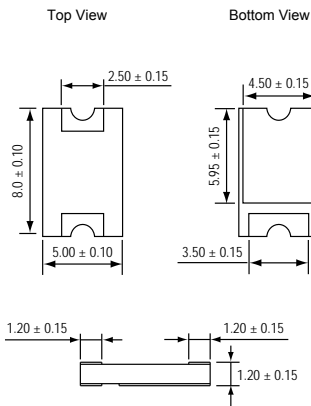
Z4PAK



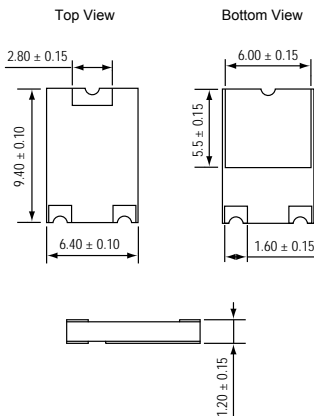
Z4PAK-D



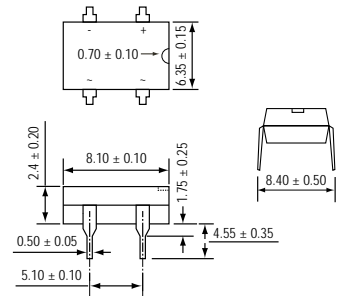
Z5PAK-T



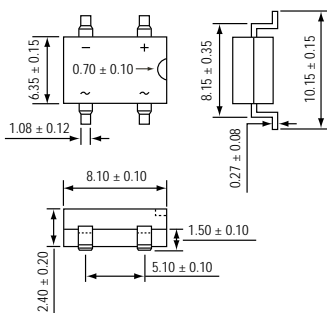
Z6PAK



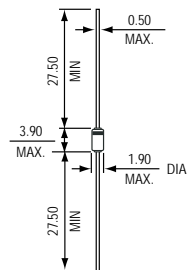
DFM



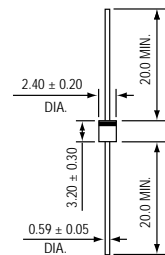
DFS



DO-35



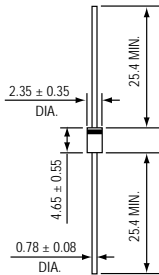
R-1



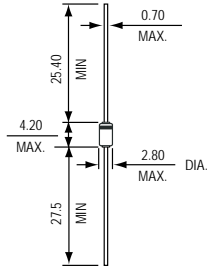
CASE DRAWINGS

Unit : mm

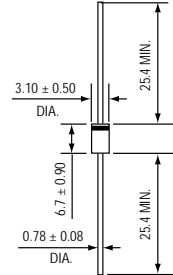
DO-204AL (DO-41)



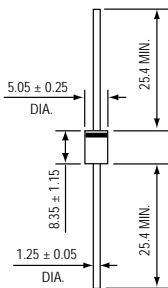
DO-41 (Glass)



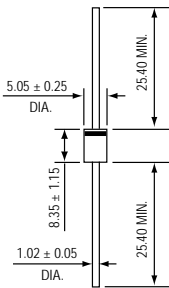
DO-204AC (DO-15)



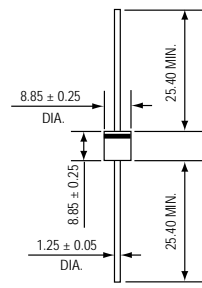
DO-201AD (DO-27)



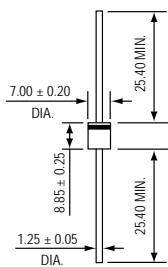
DO-201AE (DO-27)



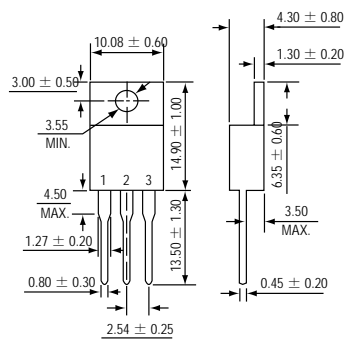
P-600



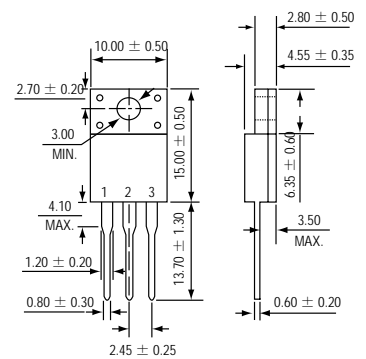
R-6



TO-220AB

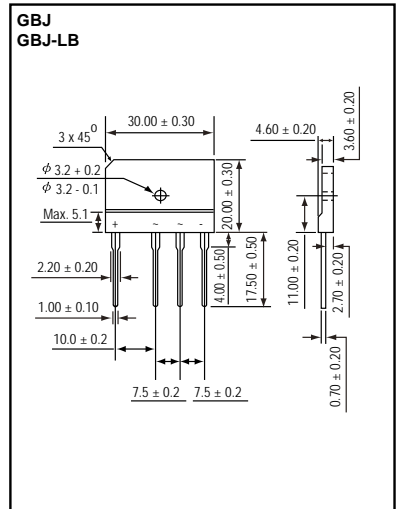
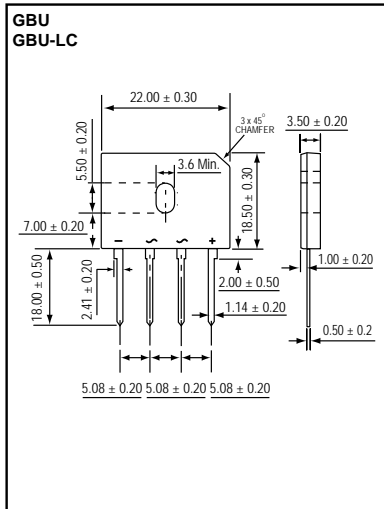
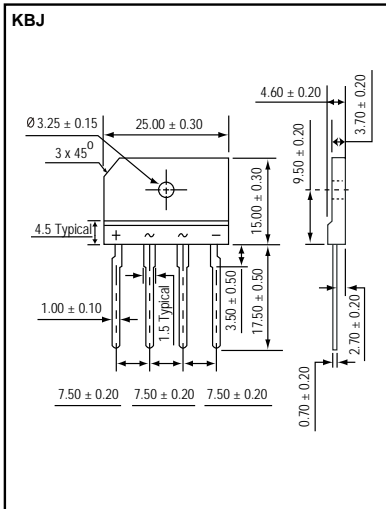
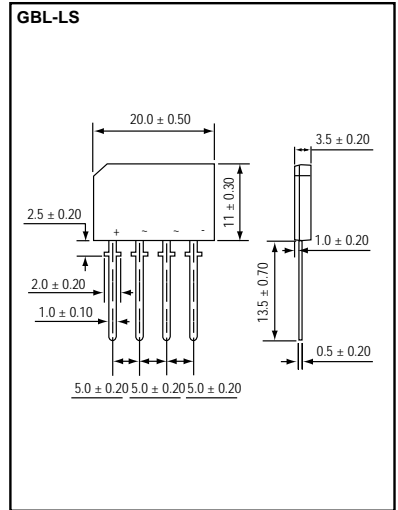
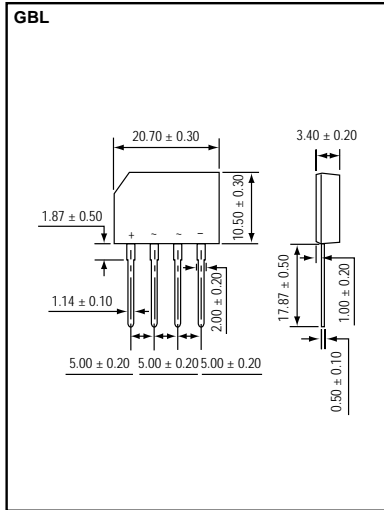
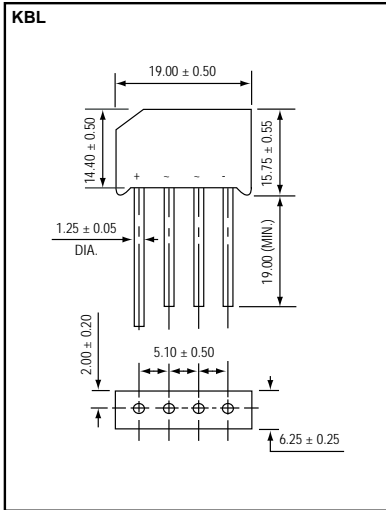
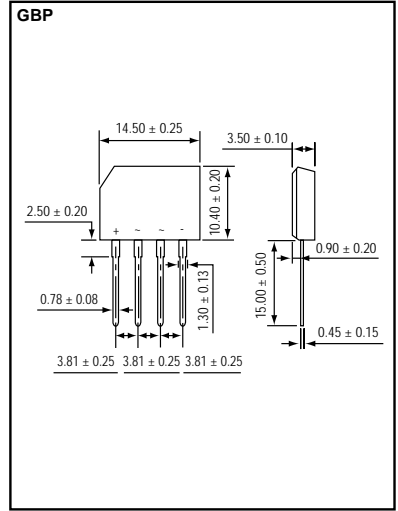
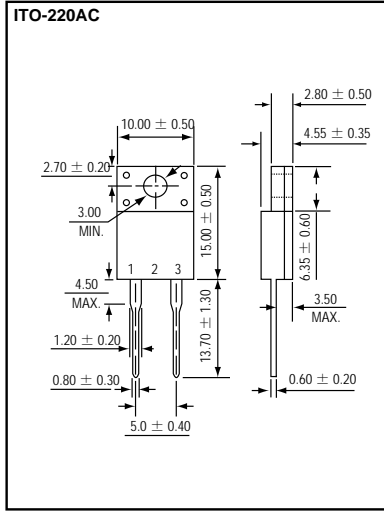
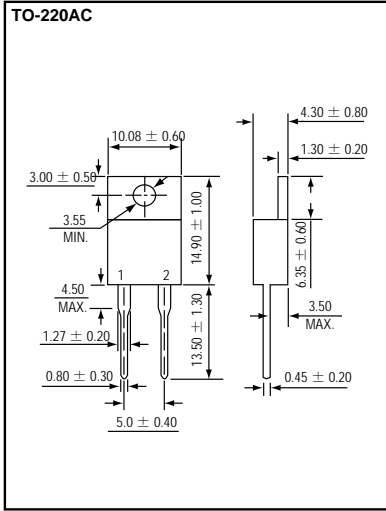


ITO-220AB



CASE DRAWINGS

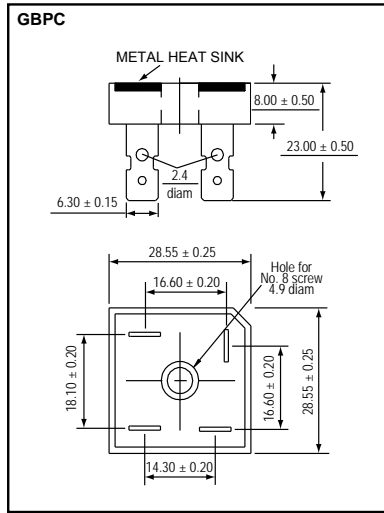
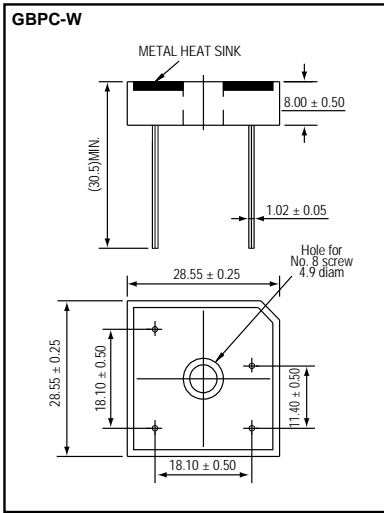
Unit : mm



CASE DRAWINGS

CASE DRAWINGS

Unit : mm



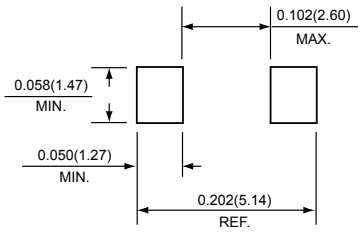
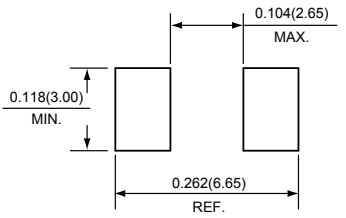
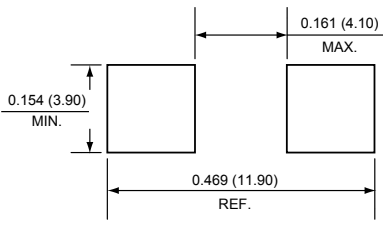
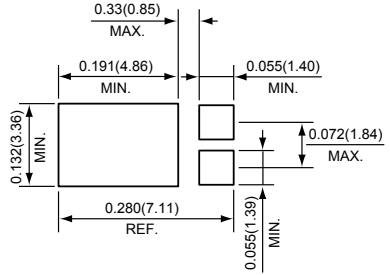
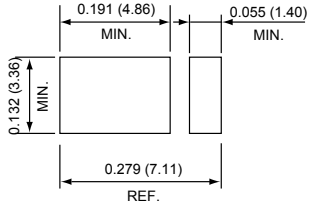
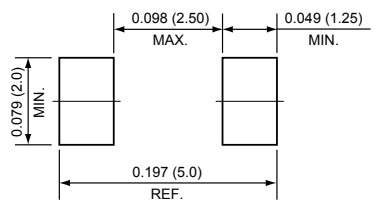
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

<p>0603</p> <p>0.031(0.80) MIN. 0.024(0.60) MIN. 0.09(2.30) REF. 0.043(1.10) MAX.</p>	<p>0805</p> <p>0.035(0.90) MIN. 0.031(0.80) MIN. 0.114(2.90) REF. 0.051(1.30) MAX.</p>
<p>Z1PAK Z1PAK-S</p> <p>0.039(1.00) MIN. 0.057(1.45) MIN. 0.114(2.90) REF. 0.035(0.90) MIN. 0.039(1.00) MIN.</p>	<p>1206 1206-S</p> <p>0.059(1.50) MIN. 0.039(1.0) MIN. 0.157(4.0) REF. 0.787(2.00) MAX.</p>
<p>Z2PAK</p> <p>0.063(1.60) MIN. 0.107(2.73) MIN. 0.168(4.26) REF. 0.026(0.67) MAX. 0.034(0.86) MIN.</p>	<p>Z2APAK</p> <p>0.079(2.00) MIN. 0.138(3.50) MIN. 0.236(6.00) REF. 0.059(1.50) MIN.</p>

RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

<p>2010</p> 	<p>2114</p> 
<p>3220</p> 	<p>Z3PAK</p> 
<p>Z3PAK-T</p> 	<p>SOD-80 (LL-34)</p> 

RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

<p>SOT-323</p>	<p>SOT-23</p>
<p>SOD-723</p>	<p>SOD-523</p>
<p>SOD-323 SOD-323 (Flat lead)</p>	<p>SOD-123 SOD-123 (Flat lead)</p>

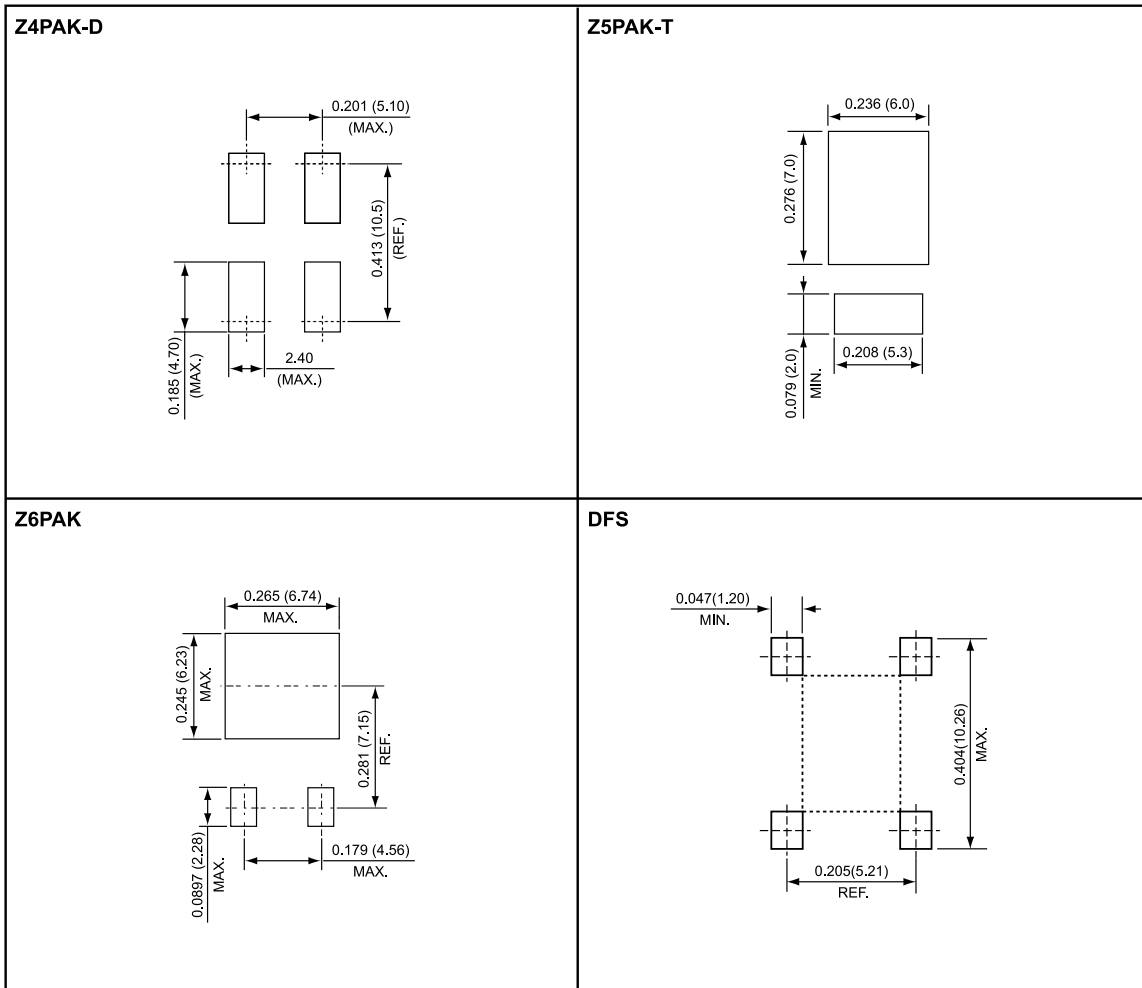
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

<p>DO-214AC (SMA)</p>	<p>DO-214AA (SMB)</p>
<p>DO-214AB (SMC)</p>	<p>MBCN</p>
<p>MBC</p>	<p>MBCR Z4PAK</p>

RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

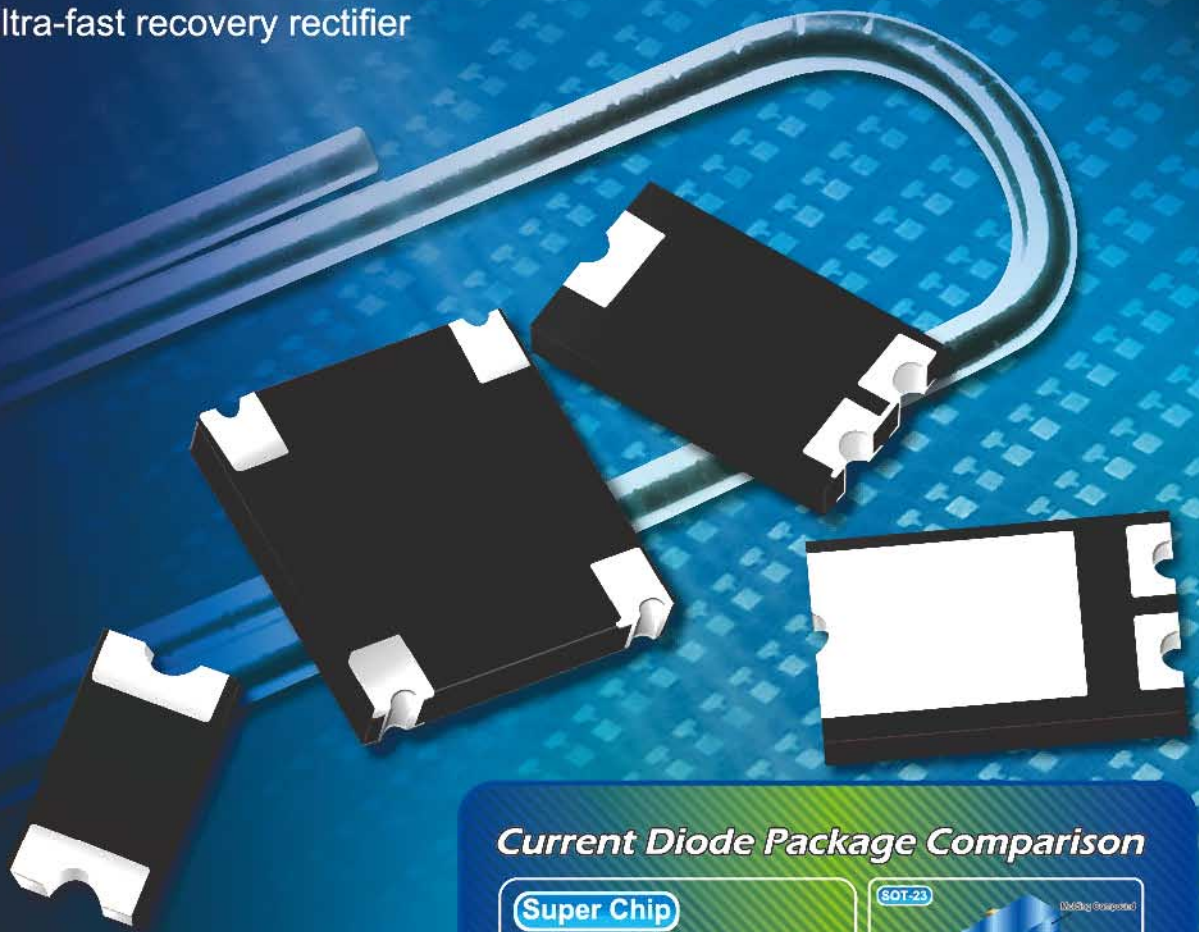
*Dimensions in inches and (millimeters)



Industry pioneer of rectifier chips and diodes

With numerous design patents worldwide

- * Glass passivated rectifier chip using ZOWIE's proprietary technology
- * Chip types range from schottky, general rectifiers, to ultra-fast recovery rectifier



Current Diode Package Comparison

Super Chip

Copper Terminal Pad
Gold/Silver Plated



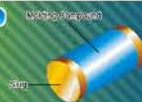
SOT-23



SMA



MELF



ZOWIE Technology Corporation

3F., No.43, Fuxing Rd., Xindian Dist.,
New Taipei City, Taiwan 23150
TEL:+886-2-2219-5533 FAX:+886-2-2219-1133
E-mail:inquiry@zowie.com.tw
Website:www.zowie.com.tw
ISO/TS 16949:2002
ISO9001: 2008
ISO14001: 2004

ZOWIE



智威科技股份有限公司
ZOWIE Technology Corporation

總公司/Headquarter

23150 新北市新店區復興路43號3樓
3/F., No. 43, Fuxing Rd., Xindian Dist.,
New Taipei City, Taiwan 23150
TEL: +886-2-22195533
FAX: +886-2-22191133

新店廠/Xindian Plant

23150 新北市新店區復興路43號2樓
2/F., No. 43, Fuxing Rd., Xindian Dist.,
New Taipei City, Taiwan 23150
TEL: +886-2-22195533
FAX: +886-2-22191133

智威電子（昆山）有限公司

ZOWIE Electronics (Kunshan) Co., Ltd.

江蘇省昆山市經濟技術開發區南浜路162號
郵編：215300
No.162, Nanbang Rd., Economic and
Technical Development Zone, Kunshan,
Jiangsu, 215300 P.R.C.
TEL: +86-512-57637188
FAX: +86-512-57637100