

# Selector Guide

## Q3/Q4 2012

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## CORPORATE OVERVIEW

Alpha and Omega Semiconductor Limited (AOS) is a designer, developer and global supplier of a broad range of power semiconductors, including a wide portfolio of Power MOSFET and Power IC products. AOS seeks to differentiate itself by integrating its expertise in device physics, process technology, design and advanced packaging to optimize product performance and cost. Its product portfolio is designed to meet the ever increasing power efficiency requirements in high volume applications, including desktop and portable computers, servers, flat panel TVs, battery packs, smart phones, motor control systems and power supplies.



MARKET SEGMENTS						
	Computing	Consumer	Communications	Ultra Portables	Industrial / Power Supplies	
APPLICATIONS	<ul style="list-style-type: none"> <li>■ Notebooks</li> <li>■ Netbooks</li> <li>■ Desktops</li> <li>■ Nettops</li> <li>■ Servers</li> </ul>	<ul style="list-style-type: none"> <li>■ LCD TVs</li> <li>■ Blu-ray Players</li> <li>■ Digital Photo Frames</li> <li>■ Portable DVDs</li> <li>■ Game Players</li> </ul>	<ul style="list-style-type: none"> <li>■ Routers</li> <li>■ Modems</li> <li>■ Set Top Boxes</li> </ul>	<ul style="list-style-type: none"> <li>■ Cell Phones</li> <li>■ Portable Navigation Devices</li> <li>■ Digital Still Cameras</li> </ul>	<ul style="list-style-type: none"> <li>■ ATX Power Supplies</li> <li>■ AC Adapters</li> <li>■ LED Lighting</li> <li>■ eBikes</li> </ul>	
KEY PRODUCTS	<ul style="list-style-type: none"> <li>■ SRFET DC-DC MOSFETs</li> <li>■ USB ESD Protection</li> <li>■ MOSFET Power Switches</li> <li>■ Smart Load Switches</li> </ul>	<ul style="list-style-type: none"> <li>■ DC-DC Regulators</li> <li>■ Backlight Inverter MOSFETs</li> <li>■ HDMI ESD Protection</li> </ul>	<ul style="list-style-type: none"> <li>■ DC-DC Regulators</li> <li>■ TVS ESD Protection</li> <li>■ Smart Load Switches</li> </ul>	<ul style="list-style-type: none"> <li>■ TVS Diode Arrays</li> <li>■ EMI Filters</li> <li>■ Smart Load Switches</li> <li>■ Analog Switches</li> <li>■ Li Ion Battery Protection ICs</li> </ul>	<ul style="list-style-type: none"> <li>■ High Voltage DC-DC MOSFETs</li> <li>■ Medium Voltage MOSFETs for Synchronous Rectification</li> <li>■ Motor Control MOSFETs</li> </ul>	



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## POWER ICs

AOS provides best-in-class power management solutions combining Power Discrete and IC technologies. The portfolio of products includes EZBuck™ Step-down DC/DC regulators, EZBoost™ Step-up DC/DC regulators, linear regulators, EZPower™ smart load switches and Analog Switches. AOS' approach is to provide high power density solutions to reduce design complexity and development time.

### DC-DC Buck Regulators – Non Synchronous EZBuck™ Family

Part Number	Description	Integrated Schottky	Soft Start	Product Type	Package	Min V <sub>IN</sub> (V)	Max V <sub>IN</sub> (V)	Max I <sub>OUT</sub> (A)	Min V <sub>OUT</sub> (V)	Max V <sub>OUT</sub> (V)	Operating Freq. (kHz)
AOZ1015AI	1.5 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	16	1.5	0.8	15	500
AOZ1016AI	2 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1016AIL	2 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	18	2	0.8	15	500
AOZ1017AI	3 A EZBuck Regulator	No	Internal - 2.2 ms	Buck	SO-8	4.5	16	3	0.8	15	500
AOZ1017AIL	3 A EZBuck Regulator	No	Internal - 2.2 ms	Buck	SO-8	4.5	18	3	0.8	15	500
AOZ1019AI	2 A EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1056AI	2 A EZBuck Regulator	Yes	External - Programmable	Buck	SO-8	4.5	16	2	0.8	15	340
AOZ1057AI	3 A EZBuck Regulator	No	External - Programmable	Buck	SO-8	4.5	16	3	0.8	15	340
AOZ1081AI	1.8 A EZBuck LED Driver	Yes	Internal - 1.1 ms	Buck	SO-8	4.5	16	1.8	0.25	15	1000
AOZ1083CI	1.2 A EZBuck LED Driver	No	Internal - 0.4 ms	Buck	SOT-23	3	26	1.2	0.28	23	1500
<b>AOZ1084DI</b>	<b>NEW</b> <b>1.2 A EZBuck LED Driver</b>	<b>No</b>	<b>Internal - 0.4 ms</b>	<b>Buck</b>	<b>DFN 2x2</b>	<b>4.5</b>	<b>36</b>	<b>1.2</b>	<b>0.16</b>	<b>30</b>	<b>450</b>
AOZ1092DI	3 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1094AI	5 A EZBuck Regulator	No	Internal - 3 ms	Buck	SO-8	4.5	16	5	0.8	15	500
AOZ1094DI	5 A EZBuck Regulator	No	Internal - 3 ms	Buck	DFN 5x4	4.5	16	5	0.8	15	500
AOZ1210AI	2 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	27	2	0.8	22	370
AOZ1212AI	3 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	27	3	0.8	22	370
AOZ1212DI	3 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	DFN 5x4	4.5	27	3	0.8	22	370
AOZ1240AI	2 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	SO-8	4.5	32	2	0.8	25	370
AOZ1242AI	3 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	SO-8	4.5	32	3	0.8	25	370
AOZ1242DI	3 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 5x4	4.5	32	3	0.8	25	370
AOZ1280CI	1.2 A, 3 V to 26 V EZBuck Regulator	No	Internal - 0.4 ms	Buck	SOT-23	3	26	1.2	0.8	23	1500
AOZ1281DI	1.8 A, 3 V to 26 V EZBuck Regulator	No	Internal - 0.4 ms	Buck	DFN 2x2	3	26	1.8	0.8	23	1500
<b>AOZ1282CI</b>	<b>NEW</b> <b>1.8 A, 3 V to 26 V EZBuck Regulator</b>	<b>No</b>	<b>Internal - 0.4 ms</b>	<b>Buck</b>	<b>SOT-23</b>	<b>3</b>	<b>26</b>	<b>1.8</b>	<b>0.8</b>	<b>23</b>	<b>1500</b>
<b>AOZ1282DI</b>	<b>NEW</b> <b>1.8 A, 3 V to 26 V EZBuck Regulator</b>	<b>No</b>	<b>Internal - 0.4 ms</b>	<b>Buck</b>	<b>DFN 2x2</b>	<b>3</b>	<b>26</b>	<b>1.8</b>	<b>0.8</b>	<b>23</b>	<b>1500</b>
<b>AOZ1283PI</b>	<b>NEW</b> <b>2.5 A, 3 V to 36 V EZBuck Regulator</b>	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>3</b>	<b>36</b>	<b>2.5</b>	<b>0.8</b>	<b>30</b>	<b>2000</b>
<b>AOZ1284PI</b>	<b>NEW</b> <b>4 A, 3 V to 36 V EZBuck Regulator</b>	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>3</b>	<b>36</b>	<b>4</b>	<b>0.8</b>	<b>30</b>	<b>2000</b>



DC-DC Buck Regulators – Synchronous EZBuck™ Family

Part Number	Description	PGOOD	Soft Start	Product Type	Package	Min V <sub>IN</sub> (V)	Max V <sub>IN</sub> (V)	Max I <sub>OUT</sub> (A)	Min V <sub>OUT</sub> (V)	Max V <sub>OUT</sub> (V)	Operating Freq. (kHz)
AOZ1020AI	2 A EZBuck Regulator with PGOOD	Yes	Internal - 4 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1021AI	3 A EZBuck Regulator	No	Internal - 5 ms	Buck	SO-8	4.5	16	3	0.8	15	500
AOZ1022DI	3 A EZBuck Regulator with PGOOD	Yes	Internal - 5 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1022DI-1	3 A EZBuck Regulator with PGOOD	Yes	Internal - 5 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1024DI	4 A EZBuck Regulator	No	Internal - 5 ms	Buck	DFN 5x4	4.5	16	4	0.8	15	500
AOZ1025DI	8 A EZBuck Regulator with PGOOD	Yes	Internal - 4 ms	Buck	DFN 5x4	4.5	16	8	0.8	15	500
AOZ1031AI	3 A EZBuck Regulator with Light Load Mode	No	Internal - 5 ms	Buck	SO-8	4.5	18	3	0.8	17	600
AOZ1033AI	3 A EZBuck Regulator with Light Load Mode	No	Internal - 5 ms	Buck	SO-8	4.5	18	3	0.8	17	600
AOZ1034DI	4 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 5x4	4.5	18	4	0.8	17	500
AOZ1034PI	4 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	4	0.8	17	500
AOZ1036DI	5 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 5x4	4.5	18	5	0.8	17	500
AOZ1036PI	5 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	5	0.8	17	500
AOZ1037PI	5 A EZBuck Regulator with PGOOD	Yes	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	5	0.8	17	500
AOZ1038DI	6 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 6x5	4.5	18	6	0.8	17	500
AOZ1038DI -1	6 A EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 6x5	4.5	18	6	0.8	15	450
AOZ1038PI	6 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	6	0.8	17	500
AOZ1039DI	8 A EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 5x6	4.5	18	8	0.8	1.2	450
AOZ1050PI	2 A EZBuck Regulator with External Soft-Start	No	External - Programmable	Buck	Exposed Pad SO-8	4.5	18	2	0.8	15	500
AOZ1051PI	3 A EZBuck Regulator with External Soft-Start	No	External - Programmable	Buck	Exposed Pad SO-8	4.5	18	3	0.8	15	500
<b>AOZ1052PI</b>	<b>NEW</b> 4 A EZBuck Regulator with External Soft-Start	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>18</b>	<b>4</b>	<b>0.8</b>	<b>15.3</b>	<b>450</b>
<b>AOZ1053PI</b>	<b>NEW</b> 5 A EZBuck Regulator with External Soft-Start	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>18</b>	<b>5</b>	<b>0.8</b>	<b>15.3</b>	<b>450</b>
AOZ1110QI	4 A EZBuck Regulator with PGOOD	Yes	External - Programmable	Buck	QFN 4x4	2.7	5.5	4	0.8	5	1000/500
AOZ1231QI-01	4 A COT EZBuck Regulator	Yes	Internal - Programmable	Buck	QFN 5x5	4.5	28	4	0.8	0.85	Adjustable
AOZ1232QI-01	6 A COT EZBuck Regulator	Yes	External - Programmable	Buck	QFN 5x5	2.7	28	6	0.8	24	Adjustable
AOZ1233QI-01	8 A COT EZBuck Regulator	Yes	External - Programmable	Buck	QFN 5x5	2.7	28	8	0.8	24	Adjustable
<b>AOZ1252PI</b>	<b>NEW</b> 2 A EZBuck with Light Load Mode	<b>No</b>	<b>Adjustable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>26</b>	<b>2</b>	<b>0.6</b>	<b>22</b>	<b>620</b>
<b>AOZ1253PI</b>	<b>NEW</b> 3 A EZBuck with Light Load Mode	<b>No</b>	<b>Adjustable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>26</b>	<b>3</b>	<b>0.6</b>	<b>22</b>	<b>620</b>
<b>AOZ1254PI</b>	<b>NEW</b> 4 A EZBuck with Light Load Mode	<b>No</b>	<b>Adjustable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>26</b>	<b>4</b>	<b>0.6</b>	<b>22</b>	<b>620</b>
AOZ1605DI	500 mA 3 MHz Sync Buck with Light Load Mode	No	Internal	Buck	DFN 2x2	2.7	5.5	0.5	0.6	5	3000
AOZ1615DI	1.5 A 3 MHz Sync Buck Regulator	No	Internal - 0.7 ms	Buck	DFN 2x3	2.5	5.5	1.5	0.6	5.5	3000
<b>AOZ3010PI</b>	<b>NEW</b> 2 A EZBuck with Light Load Mode	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>18</b>	<b>2</b>	<b>0.8</b>	<b>15.3</b>	<b>500</b>
<b>AOZ3011PI</b>	<b>NEW</b> 3 A EZBuck with Light Load Mode	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>18</b>	<b>3</b>	<b>0.8</b>	<b>15.3</b>	<b>500</b>
<b>AOZ3017PI</b>	<b>NEW</b> 4 A EZBuck with Light Load Mode	<b>No</b>	<b>External - Programmable</b>	<b>Buck</b>	<b>Exposed Pad SO-8</b>	<b>4.5</b>	<b>18</b>	<b>4</b>	<b>0.8</b>	<b>15.3</b>	<b>500</b>

## DC-DC Boost Regulators – EZBoost™ Family

Part Number	Description	Integrated Schottky	Product Type	Package	Min V <sub>IN</sub> (V)	Max V <sub>IN</sub> (V)	I <sub>SWITCH</sub> CURRENT LIMIT (A)	Min V <sub>OUT</sub> (V)	Max V <sub>OUT</sub> (V)	Operating Freq. (kHz)
AOZ1905DI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	DFN 3x3	2.7	5.5	2 A	Vin*1.2	24	600 kHz / 1.2 MHz
AOZ1905FI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	MSOP-8	2.7	5.5	2 A	Vin*1.2	24	600 kHz / 1.2 MHz
AOZ1915DI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	DFN 4x3	2.7	5.5	2 A	Vin*1.2	26	600 kHz / 1.2 MHz
AOZ1935QI	2.7 V to 25 V Boost 30-LED Driver	No	Boost	QFN 3x3	2.7	25	Null	Vin*1.2	44	800
AOZ1950DI	LED EZBoost Driver	No	Boost	DFN 3x3	2.7	5.5	750	Vin*1.2	57	Fixed off time
AOZ1960DI	7 V to 24 V Multi-String Boost White LED Driver	No	Boost	DFN 7x4	7	24	Null	Vin*1.2	55	200 kHz to 2 MHz
AOZ1977AI	High Voltage Boost LED Driver Controller	No	Boost	SO-16	8	Null	Null	Null	Null	Adjustable
AOZ1977AI-1	High Voltage Boost LED Driver Controller	No	Boost	SO-16	8	Null	Null	Null	Null	Adjustable
AOZ1978AI	High Voltage Boost LED Driver Controller	No	Boost	SO-20	8	Null	Null	Null	Null	200

## Multiple Output Regulator Family

Part Number	Description	Number of Outputs	DC/DC Product Type	Package	Min V <sub>IN</sub> (V)	Max V <sub>IN</sub> (V)	Max I <sub>OUT</sub> (A)	Min V <sub>OUT</sub> (V)	Max V <sub>OUT</sub> (V)	Operating Freq. (kHz)
AOZ1213DI	3 A EZBuck Regulator with 1 A LDO controller	2	Non-sync Buck	DFN 4x3	4.5	26	3 (Buck) 1 (LDO controller)	0.8	22	370
AOZ1214DI	3 A EZBuck Regulator with 1 A LDO controller with separate enables	2	Non-sync Buck	DFN 4x3	4.5	28	3 (Buck) 1 (LDO controller)	0.8	22	370

## Smart Load Switches

Part Number	Description	V <sub>IN</sub> (V)	Turn On Rise Time (T <sub>r</sub> )	Channel	Enable	Current Limit	Fault Latch	R <sub>DS(ON)</sub> (mOhm) (Typ)	Package
AOZ1310CI-1	Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	0.75 A	No	80	SOT-23
AOZ1312AI-1	Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	2 A	No	70	SO-8
AOZ1312EI-1	Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	2 A	No	70	eMSOP
AOZ1320CI	Slew Rate Controlled Smart Load Switch	1.8 - 5.5	100 μs, 0.5 μs, 1 ms	1	CMOS/TTL Compatible	No	Yes	75	SOT-23
AOZ1320DI	Slew Rate Controlled Smart Load Switch	1.8 - 5.5	100 μs, 0.5 μs, 1 ms	1	CMOS/TTL Compatible	No	Yes	75	DFN 2x2
AOZ1321DI	Slew Rate Controlled Smart Load Switch	1.6 - 5.5	1 μs, 100 μs, 800 μs	1	CMOS/TTL Compatible	No	Yes	60	DFN 1.2x1.6
AOZ1325DI	Dual Slew Rate Controlled Smart Load Switch	1.6 - 5.5	1 ms	2	CMOS/TTL Compatible	No	Yes	150	DFN 3x3
AOZ1341AI	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	1.5 A	No	70	SO-8
AOZ1341AI-1	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	1.5 A	No	70	SO-8
AOZ1341EI	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	1.5 A	No	70	eMSOP
AOZ1341EI-1	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	1.5 A	No	70	eMSOP
AOZ1342PI	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	2 A	No	70	Exposed Pad SO-8
AOZ1342PI-1	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	2 A	No	70	Exposed Pad SO-8
AOZ1360AI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	SO-8
AOZ1360DI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	DFN 4x4
AOZ1361DI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	DFN 4x4

## DrMOS Power Modules

Part Number	Min $V_{IN}$ (V)	Max $V_{IN}$ (V)	Max Current (A)	PWM Logic	Package
AOZ5006QI	4.5	16	35	5 V	QFN-40: 6x6
AOZ5006QI-01	4.5	16	35	3.3 V	QFN-40: 6x6
AOZ5007QI	4.5	27	50	5 V	QFN-40: 6x6
AOZ5007QI-01	4.5	27	50	3.3 V	QFN-40: 6x6

## Linear Regulators – LDO

Part Number		Min $V_{IN}$ (V)	Max $V_{IN}$ (V)	Min $V_{OUT}$ (V)	Max $I_{OUT}$ (A)	Dropout Voltage	Package
<b>AOZ2003PI</b>	<b>NEW</b>	<b>1.35</b>	<b>5.5</b>	<b>0.8</b>	<b>3</b>	<b>270 mV @ 3 A</b>	<b>Exposed Pad SO-8</b>

## Analog Switches

Part Number		Description	On Resistance $R_{ON}$ (Typ.) at 2.7V	On Resistance Flatness $R_{FLAT(ON)}$ (Max) at 2.7V	Supply Voltage Range $V_{CC}$	Total Harmonic Distortion THD (Typ.)%	Package
AOZ6115CI		Single SPST	1.5 $\Omega$ at 4.5 V	0.25 $\Omega$ at 4.5 V	1.65 V to 5.5 V	0.005 %	SOT-23
AOZ6115HI		Single SPST	1.5 $\Omega$ at 4.5 V	0.25 $\Omega$ at 4.5 V	1.65 V to 5.5 V	0.005 %	SC-70
<b>AOZ6134DI</b>	<b>NEW</b>	<b>Single SPDT</b>	<b>0.6 <math>\Omega</math> at 4.5 V</b>	<b>0.25 <math>\Omega</math> at 4.5 V</b>	<b>1.65 V to 5.5 V</b>	<b>0.002 %</b>	<b>DFN 1.2x1.0</b>
AOZ6135HI		Single SPDT	0.6 $\Omega$ at 4.5 V	0.25 $\Omega$ at 4.5 V	1.65 V to 5.5 V	0.005 %	SC-70
AOZ6232QI		Dual SPDT	0.25 $\Omega$	0.15 $\Omega$	1.65 V to 3.3 V	0.024 %	QFN10: 2.1x1.6
AOZ6233QI		Dual SPDT	0.35 $\Omega$	0.15 $\Omega$	1.65 V to 3.3 V	0.024 %	QFN10: 2.1x1.6
AOZ6234QI		Dual SPDT	0.25 $\Omega$	0.15 $\Omega$	2.3 V to 4.3 V	0.024 %	QFN10: 2.1x1.6
AOZ6237QI		Dual SPDT	0.40 $\Omega$	0.15 $\Omega$	1.65 V to 4.3 V	0.024 %	QFN10: 1.8x1.4
AOZ6238QI		Dual SPDT with I/O termination	0.40 $\Omega$	0.15 $\Omega$	1.65 V to 4.3 V	0.024 %	QFN10: 1.8x1.4
AOZ6274QI		Dual DPDT	0.40 $\Omega$	0.15 $\Omega$	1.65 V to 4.3 V	0.024 %	QFN16: 3x3
<b>AOZ6275QI</b>	<b>NEW</b>	<b>Dual DPDT</b>	<b>0.35 <math>\Omega</math></b>	<b>0.25 <math>\Omega</math></b>	<b>1.65 V to 4.3 V</b>	<b>0.01 %</b>	<b>QFN16: 3.8x2.6</b>

## High-Speed USB Switches

Part Number	Description	On Resistance $R_{ON}$ (Typ.) at 3.6V	On Capacitance $C_{(ON)}$ (Typ.) at 3.3V	Supply Voltage Range $V_{CC}$	-dB Bandwidth Hz (Typ.)	Package
AOZ6184QT	High Speed (USB3.0) DPDT; Bandwidth 1.1 GHz	8.0 $\Omega$	3.6 $\Omega$	1.65 V to 4.5 V	1.1 G	QFN10: 1.4x1.8
AOZ6185QT	High Speed (USB2.0) DPDT w/Flat $R_{ON}$ Bandwidth 990 MHz	7.2 $\Omega$	1.9 $\Omega$	1.65 V to 4.5 V	990 M	QFN10: 1.4x1.8
AOZ6186QT	High Speed (USB3.0) DPDT; Bandwidth 960 MHz	7.0 $\Omega$	5.0 $\Omega$	1.65 V to 4.5 V	960 M	QFN10: 1.4x1.8

## TRANSIENT VOLTAGE SUPPRESSORS (TVS)

AOS provides a family of ultra-low capacitance Transient Voltage Suppressor (TVS), EMI Filtering, and Diode Array products that are designed for ESD protection of high speed interfaces like HDMI1.3, USB2.0, IEEE1394, SATA and Gigabit Ethernet ports. These products may be used to meet the ESD immunity requirement of IEC61000-4-2, Level 4 for mobile, digital consumer, networking, and computing applications.

### High Current Surge TVS

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage $V_{RWM}$ Max	IEC 61000-4-5 (Lightning)	Channel Input Capacitance	Channel Clamp Voltage	Package
		Contact	Air				I/O - GND Typ.	(Ipp = 5A) $V_{CL}$ Max.	
AOZ8001JI-12	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	12 V	15 A	1.10 pF	11.0 V	SOT-143
AOZ8202CI-12	One Line Bidirectional TVS Diode	± 30 kV	± 30 kV	1	12 V	15 A	62 pF	19.0 V	SOT-23
AOZ8302CI-12	Two Line TVS Diode Array	± 30 kV	± 30 kV	2	12 V	24 A	25 pF	19.0 V (Ipp = 15 A)	SOT-23
AOZ8302CI-05	Two Line TVS Diode Array	± 30 kV	± 30 kV	2	5 V	32 A	25 pF	14.0 V (Ipp = 15 A)	SOT-23
AOZ8304DI	Ultra-Low Capacitance TVS Diode Array	± 24 kV	± 24 kV	4	3.3 V	25 A	3.5 pF	7.0 V	DFN 2.6x2.6

### Ultra-Low Capacitance TVS

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage $V_{RWM}$ Max	Channel Input Capacitance		Channel Clamp Voltage (Ipp=5A) $V_{CL}$ Max.	Package
		Contact	Air			I/O - I/O Typ.	I/O - GND Typ.		
AOZ8000CI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	11.0 V	SOT-23
AOZ8000HI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	11.0 V	SC-70
AOZ8001A-05	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	5.5 V	0.1 pF	2.5 pF	15.0 V	SOT-143
AOZ8001A-12	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	12.5 V	0.1 pF	2.5 pF	18.0 V	SOT-143
AOZ8001DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2	5.5 V	0.9 pF	1.0 pF	11.0 V	DFN 1.6x1.6
AOZ8001JI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2	5.5 V	0.9 pF	1.0 pF	11.0 V	SOT-143
AOZ8002DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	12.0 V	DFN 1.6x1.6
AOZ8102DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	12.0 V	DFN 1.6x1.6
AOZ8105CI	Ultra-Low Capacitance TVS Diode Array w/ Blocking Diode	± 24 kV	± 30 kV	4	5.5 V	0.43 pF	0.8 pF	16.0 V	SOT-23
AOZ8802ADI	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	2	5.0 V	0.3 pF	0.6 pF	16.5 V	DFN 1.6x1.0
AOZ8804ADI	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.6 pF	16.5 V	DFN 2.5x1.0
<b>AOZ8806DI-05</b>	<b>NEW</b> Ultra-Low Capacitance TVS Diode Array	<b>± 15 kV</b>	<b>± 15 kV</b>	<b>6</b>	<b>5.0 V</b>	<b>0.3 pF</b>	<b>0.6 pF</b>	<b>16.5 V</b>	<b>DFN 1.3x3.3</b>
AOZ8808DI-03	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	3.3 V	0.3 pF	0.6 pF	5.0 V	DFN 2.5x1.0
AOZ8808DI-05	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.6 pF	6.0 V	DFN 2.5x1.0
AOZ8818DI-05	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.3 pF	10.0 V	DFN 2.5x1.0
AOZ8904CIL	Ultra-Low Capacitance TVS Diode Array	± 24 kV	± 24 kV	4	5.5 V	0.9 pF	1.25 pF	14.0 V	SOT-23
AOZ8905CI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.0 V	0.35 pF	0.7 pF	22.0 V	SOT-23

## Diode Arrays

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage $V_{RWM}$ Max	Channel Input Capacitance I/O - GND Typ.	Channel Clamp Voltage ( $I_{pp} = 15$ A) $V_{CL}$ Max.	Package
		Contact	Air					
AOZ8131DI	Ultra-Low Capacitance Bidirectional Single Diode	± 24 kV	± 24 kV	1	5.0 V	1.25 pF	20.0 V	DFN1006
AOZ8203CI-03	Two Line Diode Array	± 30 kV	± 30 kV	2	3.3 V	15 pF	12.0 V	SOT-23
AOZ8203CI-05	Two Line Diode Array	± 30 kV	± 30 kV	2	5.0 V	15 pF	17.0 V	SOT-23
AOZ8203CI-12	Two Line Diode Array	± 30 kV	± 30 kV	2	12.0 V	15 pF	22.0 V	SOT-23
AOZ8204DI	Low Capacitance Diode Arrays	± 30 kV	± 30 kV	4	5.0 V	15 pF	7.0 V	DFN 1.6x1.6
AOZ8205DI	Low Capacitance Diode Arrays	± 30 kV	± 30 kV	5	5.0 V	15 pF	7.0 V	DFN 1.6x1.6
AOZ8206DI	Low Capacitance Diode Arrays	± 20 kV	± 20 kV	6	5.0 V	17 pF	9.0 V	DFN 1.6x1.6
AOZ8208DI	Low Capacitance Diode Arrays	± 28 kV	± 28 kV	8	5.0 V	17 pF	9.0 V	DFN 1.8x1.2
AOZ8211DI-02	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	2.5 V	11 pF	10.0 V	DFN1004
AOZ8211DI-03	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	3.3 V	11 pF	10.0 V	DFN1005
AOZ8211DI-05	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	5.0 V	16 pF	10.0 V	DFN1006
AOZ8211DI-12	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	12.0 V	30 pF	21.0 V	DFN1006
AOZ8211DI-24	Low Capacitance Unidirectional Single Diode	± 18 kV	± 15 kV	1	24.0 V	20 pF	37.0 V	DFN1006
AOZ8212CI-05	Low Capacitance Bidirectional Diode Arrays	± 30 kV	± 30 kV	2	5.0 V	3.5 pF	15.0 V	SOT-23
AOZ8222DI-05	Low Capacitance Diode Arrays	± 20 kV	± 20 kV	2	5.0 V	15 pF	15.0 V	DFN1006
AOZ8224CI-05	Bidirectional Diode Arrays	± 30 kV	± 30 kV	4	5.0 V	13 pF	17.0 V	SOT-23
AOZ8231ADI-02	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	2.5 V	5.5 pF	13.5 V	DFN1004
AOZ8231ADI-03	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	3.3 V	5.5 pF	14.5 V	DFN1005
AOZ8231ADI-05	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	5.0 V	13 pF	16.0 V	DFN1006
AOZ8231ADI-12	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	12.0 V	13 pF	27.0 V	DFN1006
AOZ8234DI	Four Line Diode Array	± 18 kV	± 18 kV	4	5.0 V	13.5 pF	8.0 V	DFN1.45x1.0
AOZ8235DI	Five Line Diode Array	± 18 kV	± 18 kV	5	5.0 V	13.5 pF	8.0 V	DFN1.45x1.0
AOZ8251DI	One-line Bidirectional TVS Diode	± 25 kV	± 30 kV	1	5.0 V	8 pF	19.5 V	DFN0603
AOZ8811DI	Ultra-Low Capacitance Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.50 pF	23.0 V	DFN1006
AOZ8831DI	Ultra-Low Capacitance Bidirectional Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.35 pF	23.0 V	DFN1006
AOZ8851DI-05	Ultra-Low Capacitance Bidirectional Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.35 pF	23.0 V	DFN0603



## EMI Filters

Part Number	Filter Type	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage	EMI Filter Performance		Channel Clamp Voltage	Package
			Contact	Air		$V_{RWM}$ Max	Cut-Off Freq Typ.	Insertion Loss Typ.	( $I_{pp} = 12A$ ) $V_{CL}$ Max.	
AOZ8010	RC	8-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	8	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 2.2 GHz	9.5 V	DFN 4x1.6
AOZ8011	RC	8-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	8	5.0 V	125 MHz	-25dB attenuation from 800 MHz to 3.0 GHz	8.5 V	DFN 4x1.6
AOZ8013	RC	4-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	4	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 2.2 GHz	9.5 V	DFN 2x2
AOZ8014	RC	4-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	4	5.0 V	125 MHz	-25 dB attenuation from 800 MHz to 3.0 GHz	8.5 V	DFN 2x2
AOZ8015	RC	6-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	6	5.0 V	100 MHz	-30 dB attenuation from 800 MHz to 3.0 GHz	11.0 V	DFN 3x1.35
AOZ8020	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 4x1.6
AOZ8025	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	11.0 V	DFN 3x1.35
AOZ8030	RC	8-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 3.0 GHz	9.5 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8033	RC	4-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 3.0 GHz	9.5 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8035	RC	6-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	100 MHz	-30 dB attenuation from 800 MHz to 3.0 GHz	11.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8040	RC	8-Line Low cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8043	RC	4-Line Low cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8045	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	11.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8070	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	8	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8073	RC	4-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	4	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8075	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	6	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8170	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	8	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 4x1.6
AOZ8175	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	6	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 3x1.35
AOZ8510	LC	8-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	8	5.0 V	200 MHz	-40 dB attenuation from 800 MHz to 3.0 GHz	10.0 V	DFN 4x1.6
AOZ8530	LC	8-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	450 MHz	-25 dB attenuation from 800 MHz to 5.0 GHz	12.0 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8533	LC	4-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	450 MHz	-25 dB attenuation from 800 MHz to 5.0 GHz	12.0 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8535	LC	6-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	450 MHz	-25 dB attenuation from 800MHz to 5.0 GHz	12.0 V	DFN 2.5x1.2, 0.4mmPitch

## MOSFETS & IGBTs

AOS pioneered the fab lite model in the Trench Power MOSFET field, developing leading-edge products that are exclusively manufactured in state-of-the-art 8-inch fabs. Advanced proprietary silicon and packaging processes are designed in AOS' U.S. headquarters and are then produced with its very efficient manufacturing model. Our product portfolio covers 12V to 1000V MOSFETs and will shortly add 600-1200V IGBTs.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
<b>CSP</b>																											
AOC2800	CSP	Common Drain	Load Switch	N	No	No		30	12	6	1.3			42*	61*						1.5	984	57	9.1		320	3800
AOC2802	CSP	Common Drain	Load Switch	N	No	No		20	12	6	1.3			34*	54*					1.5	1000	114	10.4		284	5000	
AOC2411	CSP	Single	Load Switch	P	No	No		-30	12	-3.4	0.8			45*	60*				-1.4	1253	105	12.5*	3.2*	14	150		
<b>SC-70</b>																											
AO7400	SC-70-3	Single	General Purpose	N	No	No		30	12	1.7	1.3	0.35	0.22	55	65	85				1.5	235	18	4.7	1.6	3.5	17.5	
AO7410	SC-70-3	Single	General Purpose	N	No	No		30	12	1.7	1.3	0.35	0.22	55	65	85				1.5	235	18	4.7	1.6	3.5	17.5	
AO7412	SC-70-6	Single	General Purpose	N	No	No		30	12	1.7	1.3	0.35	0.22	55	65	85				1.5	235	18	4.7	1.6	3.5	17.4	
AO7404	SC-70-3	Single	General Purpose	N	Yes	No		20	8	1	0.75	0.35	0.22		225	290	425			0.8	101	14	1.57	0.36	3.2	15.5	
AO7408	SC-70-6	Single	General Purpose	N	No	No		20	8	2	1.5	0.35	0.22		62	75	85			1	260	27	2.9*	0.6	2.5	21	
AO7414	SC-70-6	Single	General Purpose	N	No	No		20	8	2	1.5	0.35	0.22		62	70	85			1	260	27	2.9	0.6	2.5	21	
AO7403	SC-70-3	Single	General Purpose	P	Yes	No		-20	8	-0.7	-0.5	0.35	0.22		470	625	900			-0.9	114	14	1.44	0.35	6.5	18.2	
AO7407	SC-70-3	Single	General Purpose	P	No	No		-20	8	-1.2	-1	0.63	0.4		135	170	220			-1	560	70	8.5*	2.1	7.2	53	
AO7411	SC-70-6	Single	General Purpose	P	No	No		-20	8	-1.8	-1.5	0.63	0.4		120	150	200			-1	560	70	8.5	2.1	7.2	53	
AO7413	SC-70-3	Single	General Purpose	P	Yes	No		-20	12	-1.4	-1.2	0.35	0.22	113	135	180			-1.2	325	37	3.2	0.9	11	22		
AO7415	SC-70-6	Single	General Purpose	P	Yes	No		-20	12	-2	-1.6	0.63	0.4	100	125	170			-1.2	325	37	3.2	0.9	11	22		
<b>AO7417</b>	<b>NEW</b>	<b>SC-70-6</b>	<b>Single</b>	<b>General Purpose</b>	<b>P</b>	<b>No</b>	<b>No</b>	<b>-20</b>	<b>8</b>	<b>-1.9</b>	<b>-1.6</b>	<b>0.57</b>	<b>0.36</b>		<b>80</b>	<b>100</b>	<b>125</b>			<b>-1</b>	<b>560</b>	<b>70</b>	<b>8.5</b>	<b>2.1</b>	<b>7.2</b>	<b>53</b>	
AO7401	SC-70-3	Single	General Purpose	P	No	No		-30	12	-1.4	-1	0.35	0.22	113	135	180			-1.4	260	20	2.8	1	6	20		
AO7405	SC-70-6	Single	General Purpose	P	No	No		-30	12	-1.4	-1	0.35	0.22	100	125	170			-1.4	260	20	2.8	1	6	20		
AO7800	SC-70-6	Dual	General Purpose	N	Yes	No		20	8	0.9	0.7	0.3	0.19		300	350	450			0.9	101	14	1.57	0.36	3.2	15.5	
AO7801	SC-70-6	Dual	General Purpose	P	No	No		-20	8	-0.6	-0.48	0.3	0.19		520	700	950			-0.9	114	14	1.44	0.35	6.5	18.2	
AO7600	SC-70-6	Complementary	Inverter	N	No	No		20	8	0.9	0.7	0.3	0.19		300	350	450			0.9	101	14	1.57	0.36	3.2	15.5	
AO7600	SC-70-6	Complementary	Inverter	P	No	No		-20	8	-0.6	-0.48	0.3	0.19		550	700	950			-0.9	114	14	1.44	0.35	6.5	18.2	
<b>SC-89</b>																											
AO5404E	SC-89-3	Single	Load Switch	N	Yes	No		20	8	0.5	0.5	0.38	0.24		550	680	800			1	35	6			4.5	78	
AO5401E	SC-89-3	Single	Load Switch	P	Yes	No		-20	8	-0.5	-0.45	0.38	0.24		800	1000	1300			-0.9	72	9			90.5	612	
AO5800E	SC-89-6	Dual	Load Switch	N	Yes	No		60	20	0.4	0.3	0.4	0.24	1600	1900				2.5	41	6			39.2	261		
AO5804E	SC-89-6	Dual	Load Switch	N	Yes	No		20	8	0.5	0.5	0.38	0.24		550	680	800			1	35	6	0.63	0.16	4.5	78	
AO5803E	SC-89-6	Dual	Load Switch	P	Yes	No		-20	8	-0.6	-0.4	0.4	0.24		800	1000	1250			-0.9	72	9			60.5	612	
AO5600E	SC-89-6	Complementary	Inverter	N	Yes	No		20	8	0.6	0.4	0.38	0.24		650	750	950			1	35	6			4.5	70	
AO5600E	SC-89-6	Complementary	Inverter	P	Yes	No		-20	8	-0.5	-0.4	0.38	0.24		800	1000	1300			-1	72	9			60.5	612	
<b>SOT-23</b>																											
AO3160	SOT-23-3	Single	High Voltage	N	No	No		600	20	0.04	0.03	1.39		500000	600000				3.2	10	0.7	1*	0.52*	4	12.5		
<b>AO3162</b>	<b>NEW</b>	<b>SOT-23-3</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>0.034</b>	<b>0.028</b>	<b>1.39</b>	<b>0.9</b>	<b>500000</b>					<b>4.1</b>	<b>1.2</b>	<b>0.05</b>	<b>0.7*</b>	<b>0.05*</b>	<b>13.8</b>	<b>39.2</b>		
AO3460	SOT-23-3	Single	Load Switch	N	Yes	No		60	20	0.5	1.6	1.4	0.9	1700	2000				1.7	22	2			5.3	19.7		
AO3422	SOT-23-3	Single	General Purpose	N	No	No		55	12	2.1	1.7	1.25	0.8		160	200			2	214	12.6	2.6	0.8	2.3	16.5		
AO3400A	SOT-23-3	Single	General Purpose	N	No	No		30	12	5.7	4.7	1.4	0.9	26.5	32				1.45	630	50	6	1.8	3	25		
AO3402	SOT-23-3	Single	General Purpose	N	No	No		30	12	4	3.2	1.4	0.9	52	65	85			1.5	235	18	4.7	1.6	3.5	17.5		
AO3404A	SOT-23-3	Single	General Purpose	N	No	No		30	20	5.8	4.9	1.4	0.9	25	35				2.6	373	41	3.3	1.7	4.5	14.8		
AO3406	SOT-23-3	Single	General Purpose	N	No	No		30	20	3.6	2.9	1.4	0.9	50	70				2.5	170	23	2	1	4.5	18.5		

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AO3418	SOT-23-3	Single	SMPS	N	No	No		30	12	3.8	3.1	1.4	0.9	55	65	85				1.5	235	18	4.7	1.6	3.5	17.5	
AO3424	SOT-23-3	Single	General Purpose	N	No	No		30	12	3.8	3.1	1.4	0.9	55	65	85				1.5	235	18	4.7	1.6	3.5	17.5	
AO3434	SOT-23-3	Single	Battery Protection	N	Yes	No		30	20	3.5	2.8	1	0.64	52	75				1.8	269	41	3	0.65	2.6	15.2		
<b>AO3434A</b>	<b>NEW</b>	<b>SOT-23-3</b>	<b>Single</b>	<b>Battery Protection</b>	<b>N</b>	<b>Yes</b>	<b>No</b>	<b>30</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>1.4</b>	<b>0.9</b>	<b>48</b>	<b>57</b>	<b>75</b>				<b>1.5</b>	<b>245</b>	<b>20</b>	<b>2.6</b>	<b>1</b>	<b>2</b>	<b>22</b>	
AO3414	SOT-23-3	Single	General Purpose	N	No	No		20	8	3	2.5	1.4	0.9		62	70	85			1	260	27	2.9	0.6	2.5	21	
AO3416	SOT-23-3	Single	Load Switch	N	Yes	No		20	8	6.5	5.2	1.4	0.9		22	26	34			1.1	1295	87	10	2.6	280	3760	
AO3420	SOT-23-3	Single	Load Switch	N	No	No		20	12	6	5	1.4	0.9	24	27	42	55			1.1	525	75	6	2	3	20	
AO3438	SOT-23-3	Single	Load Switch	N	No	No		20	8	3	2.5	1.4	0.9		62	70				1	260	27	2.9	0.6	2.5	21	
AO3413	SOT-23-3	Single	General Purpose	P	No	No		-20	8	-3	-2.4	1.4	0.9		80	100	130			-1	560	70	8.5	2.1	7.2	53	
AO3415A	SOT-23-3	Single	General Purpose	P	Yes	No		-20	8	-4	-3.5	1.5	1		41	53	65			-0.9	751	80	9.3	2.2	13	19	
AO3419	SOT-23-3	Single	General Purpose	P	Yes	No		-20	12	-3.5	-2.8	1.4	0.9	85	102	140			-1.2	325	37	3.1	1.1	11	8		
AO3423	SOT-23-3	Single	General Purpose	P	Yes	No		-20	12	-2	-2	1.4	0.9	92	118	166			-1.2	325	37	3.2	0.9	11	8		
AO3435	SOT-23-3	Single	SMPS	P	No	No		-20	8	-2.9	-2.3	1	0.6		70	90	110			-1	560	70	8.5	2.1	7.2	53	
AO3701	SOT-23-5	Single	General Purpose	P	Yes	No		-20	12	-3	-2.3	1.14	0.72	80	100	145			-1.4	512	62	5.5	1.9	5	28		
AO3401A	SOT-23-3	Single	General Purpose	P	No	No		-30	12	-4	-3.2	1.4	0.9	50	60	85			-1.3	645	55	7	2.5	6.5	41		
AO3403	SOT-23-3	Single	General Purpose	P	No	No		-30	12	-2.6	-2.2	1.4	0.9	115	150	200			-1.4	260	20	2.8	1	6	20		
AO3407A	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-4.3	-3.5	1.4	0.9	48	78				-2.4	520	65	4.6	2.2	7.5	19		
AO3409	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-2.6	-2.2	1.4	1	110	180				-2.4	197	26	2.2	1.1	7.5	11.8		
AO3421	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-2.6	-2.2	1.4	1	110	180				-2.4	197	26	2.2	1.1	7.5	11.8		
<b>AO3421E</b>	<b>NEW</b>	<b>SOT-23-3</b>	<b>Single</b>	<b>General Purpose</b>	<b>P</b>	<b>No</b>	<b>No</b>	<b>-30</b>	<b>20</b>	<b>-3</b>	<b>-2</b>	<b>1.4</b>	<b>0.9</b>	<b>95</b>	<b>160</b>				<b>-2.5</b>	<b>215</b>	<b>27.5</b>	<b>2.2</b>	<b>1.2</b>	<b>8</b>	<b>13.5</b>		
<b>TSOP-6</b>																											
AO6420	TSOP-6	Single	General Purpose	N	No	No		60	20	4.2	3.4	2	1.28	60	75				3	450	25	4.3	2.2	5.1	15.9		
AO6400	TSOP-6	Single	General Purpose	N	No	No		30	12	6.9	5.8	2	1.3	28	33	52			1.45	630	50	6	1.8	3	25		
AO6402A	TSOP-6	Single	General Purpose	N	No	No		30	20	7.5	6	2	1.28	24	35				2.6	373	41	3.5	1.7	4.5	14.9		
AO6424	TSOP-6	Single	General Purpose	N	No	No		30	20	5	4	1.25	0.8	31	43				2.4	255	35	2.55	1.3	4.5	14.5		
<b>AO6432</b>	<b>NEW</b>	<b>TSOP-6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>7.5</b>	<b>6</b>	<b>2</b>	<b>1.28</b>	<b>24</b>	<b>35</b>				<b>2.6</b>	<b>373</b>	<b>41</b>	<b>3.5</b>	<b>1.7</b>	<b>4.5</b>	<b>14.9</b>		
AO6404	TSOP-6	Single	Load Switch	N	No	No		20	12	8.6	6.8	2	1.28	17	18	24	33			1	1810	200	17.9	4.7	2.5	49	
AO6408	TSOP-6	Single	General Purpose	N	Yes	No		20	12	8.8	7	2	1.28	18	20	25	32			1	1810	200	17.9	4.7	3.3	44	
AO6422	TSOP-6	Single	General Purpose	N	No	No		20	8	3.9	3	1.1	0.7		44	55	72			1	450	52	6.2	1.3	4.5	33	
AO6409A	TSOP-6	Single	Load Switch	P	Yes	No		-20	8	-5.5	-4	2.1	1.3		41	53	65			-0.9	751	80	9.3	1.8	13	19	
AO6415	TSOP-6	Single	Load Switch	P	Yes	No		-20	12	-3.3	-2.7	1.25	0.8	82	100	140			-1.2	325	37	3.2	0.9	11	22		
AO6401A	TSOP-6	Single	General Purpose	P	No	No		-30	12	-5	-4	2	1.3	47	64	85			-1.3	645	55	7	2.5	6.5	41		
AO6403	TSOP-6	Single	General Purpose	P	No	No		-30	20	-6	-5	2	1.3	35	58				-2.4	760	95	6.7	3.2	8	17		
AO6405	TSOP-6	Single	General Purpose	P	No	No		-30	20	-5	-4.2	2	1.3	52	87				-2.4	520	65	4.6	2.2	7.5	19		
AO6800	TSOP-6	Dual	General Purpose	N	No	No		30	12	3.4	2.7	1.15	0.73	60	70	90			1.5	235	18	4.7	1.6	3.5	17.5		
AO6802	TSOP-6	Dual	General Purpose	N	No	No		30	20	3.5	3	1.15	0.73	50	70				2.5	170	23	2	1	4.5	18.5		
AO6810	TSOP-6	Dual	Load Switch	N	No	No		30	20	3.5	3	1.15	0.73	50	70				2.5	170	23	2	1	4.5	18.5		
AO6804A	TSOP-6	Dual	Load Switch	N	Yes	No		20	12	5	4	1.3	0.8		28	39			1	580	70	5.8	1.6	2.4	38		
AO6801	TSOP-6	Dual	General Purpose	P	No	No		-30	12	-2.3	-2	1.15	0.73	115	150	200			-1.4	260	20	2.8	1	6	20		
AO6801A	TSOP-6	Dual	General Purpose	P	No	No		-30	12	-2.3	-2	1.15	0.73	115	150	200			-1.4	260	20	2.8	1	6	20		
<b>AO6801E</b>	<b>NEW</b>	<b>TSOP-6</b>	<b>Dual</b>	<b>General Purpose</b>	<b>P</b>	<b>Yes</b>	<b>No</b>	<b>-30</b>	<b>12</b>	<b>-2</b>	<b>-1.6</b>	<b>0.7</b>	<b>0.5</b>	<b>110</b>	<b>135</b>	<b>185</b>			<b>-1.5</b>	<b>305</b>	<b>26</b>	<b>3.5</b>	<b>1.2</b>	<b>6</b>	<b>23</b>		
AO6808	TSOP-6	Common Drain	Load Switch	N	Yes	No		20	12	4.6	3.7	0.8	0.5		23	30			1	620	64	7.7	2.7	236	9.5		
AO6601	TSOP-6	Complementary	Inverter	N	No	No		30	12	3.4	2.7	1.15	0.73	60	70	90			1.5	235	18	4.7	1.6	3.5	17.5		
AO6601	TSOP-6	Complementary	Inverter	P	No	No		-30	12	-2.3	-1.8	1.15	0.73	115	150	200			-1.4	260	20	2.8	1	6	20		
AO6602	TSOP-6	Complementary	Inverter	N	No	No		30	20	3.5	3	1.15	0.73	50	70				2.5	170	23	2	1	4.5	18.5		
AO6602	TSOP-6	Complementary	Inverter	P	No	No		-30	20	-2.7	-2.1	1.15	0.73	100	170				-2.4	197	26	2.2	1.1	7.5	11.8		
AO6604	TSOP-6	Complementary	Inverter	N	No	No		20	8	3.4	2.5	1.1	0.7		65	75	100			1	260	27	2.9	0.6	2.5	21	
AO6604	TSOP-6	Complementary	Inverter	P	No	No		-20	8	-2.5	-2	1.1	0.7		75	95	115			-1	560	70	8.5	2.1	7.2	53	

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
<b>TSSOP-8</b>																											
AO8808A	TSSOP-8	Dual	Battery Protection	N	Yes	No		20	12	8	6.3	1.4	1	14	15	20	28		1	1160	146	16	3.8	6.2	51.7		
AO8807	TSSOP-8	Dual	Load Switch	P	Yes	No		-12	8	-6.5	-5	1.4	0.9	20	24	30		-0.85	1740	200	19	5.3	240	7000			
AO8801	TSSOP-8	Dual	Load Switch	P	Yes	No		-20	8	-4.7	-3.7	1.4	0.9	42	53	70		-1	1450	160	17.2	4.5	9.5	94			
AO8801A	TSSOP-8	Dual	Load Switch	P	Yes	No		-20	8	-4.7	-3.7	1.4	0.9	42	54	68		-0.9	751	80	9.3	22	13	19			
AO8818	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		30	12	7	5.5	1.5	0.96	18	20	27		1	630	137	9.3	3.6	5.7	31.5			
AO8804	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	8	6.3	1.5	1.08	13	14	19	27		1	1810	200	19.8	5	3.3	44		
AO8810	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	8	7	5.7	1.5	1	20	24	32		1	1810	200	17.9	4.7	2.5	49			
AO8814	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7.5	6	1.5	0.96	16	18	24	34		1	1390	150	15.4	4	6.2	40.5		
AO8820	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7	5.5	1.5	0.96	21	24	32	50		1.1	500	52	6	1	0.2	7.4		
AO8822	TSSOP-8	Common Drain	Battery Protection	N	No	No		20	12	7	5.7	1.5	0.96	21	24	32	50		1	1060	90	14	4.6	8.7	36		
AO8830	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	6	4.8	1.5	0.94	27	30	41	55		1	290	40	5.2	1.9	280	2350		
AO8842	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7	5.5	1.5	0.96	19.5	21	28.5	43		1	1026	157	12.4	3.5	0.96	7		
<b>DFN 1.6x1.6</b>																											
<b>AON1634</b>	<b>NEW</b>	<b>DFN 1.6x1.6A</b>	<b>Single</b>	<b>Load Switch</b>	<b>N</b>	<b>Yes</b>	<b>No</b>	<b>30</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>1.8</b>	<b>1.15</b>	<b>50</b>	<b>78</b>			<b>1.5</b>	<b>245</b>	<b>20</b>	<b>2.6</b>	<b>1</b>	<b>2</b>	<b>22</b>			
<b>AON1611</b>	<b>NEW</b>	<b>DFN 1.6x1.6A</b>	<b>Single</b>	<b>Load Switch</b>	<b>P</b>	<b>Yes</b>	<b>No</b>	<b>-20</b>	<b>8</b>	<b>-4</b>	<b>-3</b>	<b>1.8</b>	<b>1.115</b>	<b>58</b>	<b>76</b>	<b>98</b>	<b>120</b>	<b>-0.9</b>	<b>550</b>	<b>64</b>	<b>7</b>	<b>1.9</b>	<b>15</b>	<b>50</b>			
<b>DFN 2x2</b>																											
AON2260	DFN 2x2B	Single	General Purpose	N	No	No		60	20	6	4.7	2.8	1.8	44	53			2.5	426	5	2.6	0.8	3	15			
AON2240	DFN 2x2B	Single	General Purpose	N	No	No		40	20	8	6	2.8	1.8	21	29			2.4	415	11	3	1.1	4	15			
AON2410	DFN 2x2B	Single	Load Switch	N	No	No		30	12	8	6	2.8	1.8	21	28			1.5	813	56	8	2.6	3	26			
<b>AON2420</b>	<b>NEW</b>	<b>DFN 2x2B</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>8</b>	<b>6</b>	<b>2.8</b>	<b>1.8</b>	<b>11.7</b>	<b>17.5</b>			<b>2.2</b>	<b>552</b>	<b>28</b>	<b>4.3</b>	<b>1.7</b>	<b>4.8</b>	<b>18.5</b>			
<b>AON2406</b>	<b>NEW</b>	<b>DFN 2x2B</b>	<b>Single</b>	<b>Load Switch</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>20</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>2.8</b>	<b>1.8</b>	<b>12.5</b>	<b>15</b>	<b>19</b>	<b>24</b>	<b>1</b>	<b>1140</b>	<b>110</b>	<b>12.5</b>	<b>2.7</b>	<b>2.7</b>	<b>37</b>			
AON2408	DFN 2x2B	Single	Load Switch	N	No	No		20	12	8	6	2.8	1.8	14.5	19			1.2	782	98	7	2.4	3	28			
<b>AON2400</b>	<b>NEW</b>	<b>DFN 2x2B</b>	<b>Single</b>	<b>Load Switch</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>8</b>	<b>5</b>	<b>8</b>	<b>6</b>	<b>2.8</b>	<b>1.8</b>		<b>11</b>	<b>13</b>	<b>16</b>	<b>23</b>	<b>0.46</b>	<b>1645</b>	<b>320</b>	<b>16</b>	<b>2.8</b>	<b>7</b>	<b>37</b>		
<b>AON2401</b>	<b>NEW</b>	<b>DFN 2x2B</b>	<b>Single</b>	<b>Load Switch</b>	<b>P</b>	<b>No</b>	<b>No</b>	<b>-8</b>	<b>5</b>	<b>-8</b>	<b>-6</b>	<b>2.8</b>	<b>1.8</b>		<b>22</b>	<b>28</b>	<b>36</b>	<b>53</b>	<b>-0.65</b>	<b>1465</b>	<b>235</b>	<b>12.5</b>	<b>3</b>	<b>4</b>	<b>99</b>		
AON2405	DFN 2x2B	Single	Load Switch	P	No	No		-20	8	-8	-6	2.8	1.8	32	41	56	70		-0.9	1025	119	13	3.4	7	95		
AON2701	DFN 2x2	Single	Load Switch	P	No	Yes	2 A	-20	8	-3	-2.2	1.1	0.73	120	160	200		-1	540	63	5	1	5	28.5			
AON2407	DFN 2x2B	Single	Load Switch	P	No	No		-30	12	-6.3	-5	2.8	1.8	37.5	46	70		-1.5	746	70	8	2.8	5.8	62			
AON2409	DFN 2x2B	Single	Load Switch	P	No	No		-30	20	-8	-6.3	2.8	1.8	32	53			-2.3	530	75	6	3	7.7	26.3			
AON2800	DFN 2x2	Dual	Battery Protection	N	Yes	No		20	8	4	3	1.5	0.95	47	65			1.2	360	50	4.15	1.15	9.5	26			
AON2801	DFN 2x2	Dual	Load Switch	P	No	No		-20	8	-3	-2	1.1	0.73	120	160	200		-1	540	63	5	1	5	28.5			
<b>DFN 2x3</b>																											
AON4420L	DFN 2x3	Single	Load Switch	N	No	No		30	20	10	8	1.6	1	20	26			2.5	550	55	4.6	2.2	5	24			
AON4407	DFN 2x3	Single	Load Switch	P	Yes	No		-12	8	-9	-7	2.5	1.6	20	25	31		-0.85	1740	200	19	5.3	240	7000			
AON4703	DFN 2x3	Single	Load Switch	P	No	Yes	1 A	-20	8	-3.4	-2.7	1.7	1.1	90	120	160		-1	540	49	6.1	1.6	10	44			
AON4413	DFN 2x3	Single	Load Switch	P	No	No		-30	20	-4.7	-3.7	1.6	1	46	60			-2.5	668	92	12.7	4	7.7	20			
AON4421	DFN 2x3	Single	Load Switch	P	No	No		-30	20	-8	-6	2.5	1.6	26	34			-1.8	930	120	8.6	3.4	6	40			
AON4803	DFN 2x3	Dual	Load Switch	P	No	No		-20	8	-3.4	-2.7	1.7	1.1	90	120	165		-1	540	49	6.1	1.6	10	44			
AON4805L	DFN 2x3	Dual	Load Switch	P	No	No		-20	8	-4.5	-3.5	2	1.3	65	85	115		-1	560	70	8.5	2.1	7.2	53			
AON4807	DFN 2x3	Dual	Load Switch	P	No	No		-30	20	-4	-3	1.9	1.2	68	105			-2.3	290	40	2.8	1.3	6	21			
AON4605	DFN 2x3	Complementary	Inverter	N	No	No		30	20	4.3	3.4	1.9	1.2	65	115			3	238	30	3.1	1.6	3.3	13.2			
AON4605	DFN 2x3	Complementary	Inverter	P	No	No		-30	20	-3.4	-2.7	1.9	1.2	110	180			-3	290	44	3	1.6	7	15			
AON4604	DFN 2x3	Complementary	Inverter	N	No	No		20	8	5.4	4.3	1.9	1.2	42	52	72		1	436	44	6.5	2.1	7	36.5			
AON4604	DFN 2x3	Complementary	Inverter	P	No	No		-20	8	-3.8	-3	1.9	1.2	90	120	170		-1	540	49	5.9	1.9	11.5	37.5			
<b>DFN 2x5</b>																											
AON5802B	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		30	12	7.2	5.6	1.6	1	18	30			1.5	790	52	7.5	2.5	320	4350			
AON5810	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20	12	7.7	6.1	1.6	1	18	25	40		1	1360	178	13.1	3.9	6.2	40.5			
AON5820	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20	12	10	8	1.7	1	9.5	13			1	1255	168	12.5	6.5	1.1	7			

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)		
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V									
<b>DFN 3x3</b>																												
AON7460	DFN 3x3	Single	General Purpose	N	No	No		300	30	4	2.5	33	13	830								4.5	310	2.9	6.8	2*	17	29
AON7462	DFN 3x3	Single	General Purpose	N	No	No		300	30	2.5	1.6	25	10	1500								4.5	197	2	4.6*	1.5*	17	26
AON7458	DFN 3x3	Single	General Purpose	N	No	No		250	30	5	3.2	33	13	560								4.3	306	3.2	6	1.5	14	23
AON7450	DFN 3x3	Single	General Purpose	N	No	No		100	25	21	13	43	17	48	57*							4.1	910	35	16*	4.7*	18	35
AON7452	DFN 3x3	Single	General Purpose	N	No	No		100	25	5.5	3.5	17	7	310	370*							4.7	155	9	3*	0.9*	4	8.5
AON7448	DFN 3x3	Single	General Purpose	N	No	No		80	25	26	16	43	17	30	37*							4.1	900	40	14.5*	4.6*	16	36
AON7246	DFN 3x3	Single	General Purpose	N	No	No		60	20	34.5	22	34.7	13.9	15	19							2.5	1340	10	9	2.6	6	22
AON7444	DFN 3x3	Single	General Purpose	N	No	No		60	20	33	21	42	17	22	26							2.6	1680	60	13	3.7	6	24
AON7446	DFN 3x3	Single	General Purpose	N	No	No		60	20	8	5	16.7	7	145	160*							3.3	237	9	4.4*	1.1*	4.5	15
AON7240	DFN 3x3	Single	SMPS	N	No	No		40	20	40	31	36.7	14	5.1	7							2.4	1830	43	12.8	6	7.2	23
AON3406	DFN 3x3	Single	General Purpose	N	Yes	No		30	30	10	7.8	3	1.9	15	24							3	955	112	9	4.7	5	19
AON3408	DFN 3x3	Single	General Purpose	N	No	No		30	12	8.5	7.2	3	1.9	24	29	45						1.5	900	65	10	3.75	3.2	21.5
<b>AON3702</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>SMPS Low Side</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>12</b>	<b>11</b>	<b>8.8</b>	<b>3</b>	<b>1.9</b>	<b>14.5</b>	<b>18</b>					<b>1.9</b>	<b>1450</b>	<b>92</b>	<b>12</b>	<b>4.2</b>	<b>5.5</b>	<b>24</b>	
AON7200	DFN 3x3	Single	SMPS	N	No	No		30	20	40	31	26	10.4	8	11							2.4	1090	38	7	2.5	5	16
AON7400A	DFN 3x3	Single	SMPS	N	No	No		30	20	40	28	25	10	7.5	10.5							2.5	1150	105	9.5	5	6.5	17
AON7402	DFN 3x3	Single	SMPS High Side	N	No	No		30	20	39	24	26	10.4	10	15							2.2	770	77	7.1	3.1	5	18
AON7406	DFN 3x3	Single	SMPS	N	No	No		30	20	25	15	16.7	6.7	15	23.5							2.4	740	82	7.5	3	5	19
AON7408	DFN 3x3	Single	SMPS High Side	N	No	No		30	20	23	15	16.7	7	20	32							2.6	373	41	7.1	1.6	4.3	15.8
AON7410	DFN 3x3	Single	Load Switch	N	No	No		30	20	20	15	20	8.3	20	26							2.5	550	55	4.6	2.2	5	24
AON7412	DFN 3x3	Single	Load Switch	N	No	No		30	25	16	12.5	20.8	8.3	20	28							2	466	61	4.3	2.3	5	20
AON7416	DFN 3x3	Single	Load Switch	N	No	No		30	12	40	26	25	10	8.5	10							1.7	1580	100	13	3	5	29
AON7422E	DFN 3x3	Single	Load Switch	N	Yes	No		30	20	40	31	36	14	4.3	6							1.85	2445	220	19	6.6	7	41.5
AON7422L	DFN 3x3	Single	Load Switch	N	No	No		30	20	40	31	36.7	14.7	4.6	6							2.3	2400	245	20	9	8	36
AON7424	DFN 3x3	Single	Load Switch	N	Yes	No		30	20	40	31	36	14	5.2	7.5							2.3	2860	300	22	8.4	7	36
AON7426	DFN 3x3	Single	Load Switch	N	No	No		30	20	40	31	29	12	5.5	8							2.35	1756	155	44	13	17.5	56
AON7430L	DFN 3x3	Single	General Purpose	N	No	No		30	20	34	21	23	9	12	16							2.5	760	70	6.6	3	4.4	17
<b>AON7432</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>Load Switch</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>12</b>	<b>18</b>	<b>14</b>	<b>20.8</b>	<b>8.3</b>	<b>15</b>	<b>18</b>	<b>24</b>					<b>1.5</b>	<b>813</b>	<b>56</b>	<b>8</b>	<b>2.6</b>	<b>3</b>	<b>26</b>	
<b>AON7508</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>32</b>	<b>25</b>	<b>62.5</b>	<b>25</b>	<b>3</b>	<b>4.6</b>						<b>2.2</b>	<b>1835</b>	<b>90</b>	<b>13.6</b>	<b>5.3</b>	<b>7.9</b>	<b>27.3</b>	
AON7514	DFN 3x3	Single	General Purpose	N	No	No		30	20	30	23	23	9	5	8.5							2.2	951	62	7.5	3.2	6.25	18.5
AON7516	DFN 3x3	Single	Load Switch	N	No	No		30	20	30	23	25	10	4.5	6.8							2.2	1229	83	12	5.5	7	24
<b>AON7522E</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>34</b>	<b>27</b>	<b>31</b>	<b>12</b>	<b>4</b>	<b>6.8</b>						<b>2.2</b>	<b>1540</b>	<b>448</b>	<b>19.7</b>	<b>15</b>	<b>7</b>	<b>24</b>	
<b>AON7528</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>Yes</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>50</b>	<b>39</b>	<b>83</b>	<b>33</b>	<b>2</b>	<b>3.4</b>						<b>2.2</b>	<b>2895</b>	<b>149</b>	<b>21.3</b>	<b>9</b>	<b>8.5</b>	<b>31</b>	
AON7700	DFN 3x3	Single	SMPS	N	No	Yes		30	12	40	28	26	10	7.2	8.6							2.2	1690	120	14	5	6	27
AON7702A	DFN 3x3	Single	SMPS	N	No	Yes	SRFET	30	12	36	22	23	9	10	13							2.1	1170	89	8.7	3	6	23
<b>AON7702B</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>30</b>	<b>20</b>	<b>20</b>	<b>15.5</b>	<b>23</b>	<b>9</b>	<b>9.5</b>	<b>15.5</b>						<b>2.5</b>	<b>810</b>	<b>100</b>	<b>8.5</b>	<b>4.5</b>	<b>4</b>	<b>23</b>	
<b>AON7752</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>30</b>	<b>20</b>	<b>16</b>	<b>12</b>	<b>20</b>	<b>8.3</b>	<b>8.2</b>	<b>14.5</b>						<b>2.5</b>	<b>605</b>	<b>36.5</b>	<b>5.5</b>	<b>2.6</b>	<b>5</b>	<b>17</b>	
<b>AON7754</b>	<b>NEW</b>	<b>DFN 3x3</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>20</b>	<b>32</b>	<b>25</b>	<b>70</b>	<b>28</b>	<b>3.6</b>	<b>5</b>					<b>2.4</b>	<b>1975</b>	<b>92</b>	<b>13.6</b>	<b>5.3</b>	<b>7.9</b>	<b>27.3</b>	
AON7788	DFN 3x3	Single	SMPS Low Side	N	No	Yes		30	12	40	31	36	14	4.5	5.3							2	3415	232	24	10	9	47
AON3402	DFN 3x3	Single	General Purpose	N	Yes	No		20	12	12	9.6	3	1.9	13	17	26						1	1810	200	17.9	4.7	2.5	4.9
AON7404	DFN 3x3	Single	Load Switch	N	No	No		20	12	40	31	40	16	6	7.5							1.6	3860	580	36	12	7	70
AON7436	DFN 3x3	Single	Load Switch	N	No	No		20	12	23	15	16.7	7	19	22	32	50					1.1	525	75	6	2	3	20
AON7407	DFN 3x3	Single	Load Switch	P	No	No		-20	8	-40	-29	29	12	9.5	12.5	18						-0.9	3495	425	44*	11	18	136
AON7401	DFN 3x3	Single	Load Switch	P	No	No		-30	25	-35	-23	29	12	14								-3	2060	295	30*	10	11	24
AON7403	DFN 3x3	Single	Load Switch	P	No	No		-30	25	-29	-18	25	10	18	36							-3	1130	155	18*	3.3	8.7	18
AON7804	DFN 3x3	Dual	SMPS	N	Yes	No		30	20	22	14	17	7	21	26							2.4	740	82	7.5	3	5	19
AON7820	DFN 3x3	Dual	SMPS	N	Yes	No		20	10	35	22	31	12.5	16	20							1	1720	177	18.2	7.6	1.65	5.4
AON7826	DFN 3x3	Dual	SMPS	N	No	No		20	12	22	14	16.7	6.7	23	26	34	52					1.1	525	75	6	2	3	20

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AON3806	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	6	4.7	2.5	1.6	22	33					1.1	500	52	6	1	0.5	7.4	
AON3814	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	6	5.3	2.5	1.6	17	24					1.1	920	75	11	3.2	300	7900	
AON3816	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	4	3.1	2.5	1.6	22	28					1.1	920	75	11	3.2	300	7900	
AON3611	DFN 3x3	Complementary	General Purpose	N	No	No		30	20	5	3.8	2.1	1.3	50	70					2.5	170	23	2	1	4.5	18.5	
AON3611	DFN 3x3	Complementary	General Purpose	P	No	No		-30	20	-6	-4.7	2.5	1.6	38	62					-2.4	520	65	4.6	2.2	7.5	19	
AON7611	DFN 3x3	Complementary	Inverter	N	No	No		30	20	9	5.5	7	2.8	50	70					2.5	170	23	2	1	4.5	18.5	
AON7611	DFN 3x3	Complementary	Inverter	P	No	No		-30	20	-18.5	-11.5	20.8	8.3	38	62					-2.4	520	65	4.6	2.2	7.5	19	
AON7932	DFN 3x3A	Asymmetric	SMPS	N	No	No		30	20	26	16	23	9	20	30					2.4	380	13	2.3	1	10	15	
AON7932	DFN 3x3A	Asymmetric	SMPS	N	No	No		30	12	35	22	25	10	12	15					2.1	1020	75	9	3	11	29	
<b>AON7934</b>	<b>NEW</b>	<b>DFN 3x3A</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>16</b>	<b>2</b>	<b>23</b>	<b>9</b>	<b>10.2</b>	<b>15.8</b>					<b>2.2</b>	<b>485</b>	<b>32</b>	<b>3.9</b>	<b>2.1</b>	<b>3.5</b>	<b>16.3</b>	
<b>AON7934</b>	<b>NEW</b>	<b>DFN 3x3A</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>18</b>	<b>14</b>	<b>25</b>	<b>10</b>	<b>7.7</b>	<b>11.6</b>					<b>2.2</b>	<b>807</b>	<b>40</b>	<b>6</b>	<b>3</b>	<b>4.8</b>	<b>18.8</b>	
<b>DFN 3.3x3.3</b>																											
AON7244	DFN 3.3x3.3	Single	General Purpose	N	No	No		60	20	50	39	83	33	8.5	12					2.5	2030	8.5	11.5	2.5	7.5	24.5	
AON7242	DFN 3.3x3.3	Single	SMPS	N	No	No		40	20	50	39	83	33	3.9	5.8					2.3	1970	41	11.9	2.2	7	23	
AON7210	DFN 3.3x3.3	Single	SMPS	N	No	No		30	20	50	39	83	33	4	5.8					2.3	1983	54	10.5	3.6	7.3	21.2	
AON7418	DFN 3.3x3.3	Single	Load Switch	N	No	No		30	20	50	39	83	33	1.7	2.8					2.2	2994	196	23	10	10.5	30.8	
AON7428	DFN 3.3x3.3	Single	Load Switch	N	No	No		30	20	50	39	83	33	2.8	3.6					2.3	2600	280	24	8	7	58	
AON7784	DFN 3.3x3.3	Single	SMPS Low Side	N	No	Yes		30	12	50	39	83	33	3.5	4					2.1	3800	260	28	9	10	55	
AON7220	DFN 3.3x3.3	Single	SMPS	N	No	No		25	12	50	39	83	33	3	4					1.8	2961	66	17.4	3.6	7.8	37.8	
AON7421	DFN 3.3x3.3	Single	Load Switch	P	No	No		-20	12	-50	-39	83	33	4.6	5.8	9				-1.2	4550	563	44	14	7	134	
AON7423	DFN 3.3x3.3	Single	Load Switch	P	No	No		-20	8	-50	-39	83	33	5	6.5	8.5				-0.9	5626	716	70	18.4	18	285	
AON7405	DFN 3.3x3.3	Single	Load Switch	P	No	No		-30	25	-50	-39	83	33	6.2	8.9*					-2.8	2450	370	21	12	9.5	104	
AON7900	DFN 3.3x3.3A	Asymmetric	SMPS	N	No	No		30	20	24	15	17	7	21	28					2.3	590	23	4	1.5	6	18	
AON7900	DFN 3.3x3.3A	Asymmetric	SMPS	N	No	Yes		30	20	40	31	50	20	6.7	8.5					2.3	1770	72	12	5	7	27	
AON7902	DFN 3.3x3.3A	Asymmetric	SMPS	N	No	No		30	20	24	15	17	7	21	28					1.8	590	23	4	1.5	6	18	
AON7902	DFN 3.3x3.3A	Asymmetric	SMPS	N	No	Yes		30	12	40	31	50	20	6.2	7.4					1.6	3500	260	28	11	8	50	
<b>DFN 5x6</b>																											
AON6458	DFN 5x6	Single	General Purpose	N	No	No		250	30	14	8.8	83	33	170						4.5	1028	11	22*	8	28	65	
AON6454A	DFN 5x6	Single	General Purpose	N	No	No		150	20	31	20	83	33	38	35*					4.6	1710	50	7.8	13.5	12	20	
AON6450	DFN 5x6	Single	SMPS	N	No	No		100	25	52	33	83	33	14.5	17.5*					4	2570	80	11.5*	13.5	15	28.5	
AON6452	DFN 5x6	Single	SMPS	N	No	No		100	25	26	17	35	14	25	31*					4	1770	55	28*	10	12	17	
AON6482	DFN 5x6	Single	General Purpose	N	No	No		100	20	28	20	75	37	37	42					2.7	1630	50	18	9	7	29	
AON6484	DFN 5x6	Single	General Purpose	N	No	No		100	20	12	7.5	25	10	79	90					2.7	778	24	9.6	5	6	21	
AON6486	DFN 5x6	Single	General Purpose	N	No	No		100	20	10	6	31	12.5	140	152					2.8	445	16	5.1	2.4	8	17	
AON6280	DFN 5x6	Single	General Purpose	N	No	No		80	20	85	65	83	33	4.1	5					3.2	3930	66	58*	14*	13	32	
AON6448	DFN 5x6	Single	General Purpose	N	No	No		80	25	65	41	83	33	9.6	12*					3.7	2600	120	44*	14	18	24.5	
<b>AON6270</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>75</b>	<b>20</b>	<b>85</b>	<b>67</b>	<b>83</b>	<b>33</b>	<b>3.9</b>					<b>3.2</b>	<b>4100</b>	<b>58</b>	<b>60*</b>	<b>14*</b>	<b>14</b>	<b>34</b>		
AON6242	DFN 5x6	Single	General Purpose	N	No	No		60	20	85	66	83	33	3.6	4.5					2.5	5305	22	23	3	13	47	
AON6244	DFN 5x6	Single	General Purpose	N	No	No		60	20	85	59	83	33	4.7	6.2					2.5	3838	14.5	21	3	11	34	
AON6246	DFN 5x6	Single	General Purpose	N	No	No		60	20	80	51	83	33	6.4	8					2.5	2850	15.5	14	4	8	29	
AON6444	DFN 5x6	Single	General Purpose	N	No	No		60	20	81	51	83	33	6.5	11.5					2.5	4800	190	40	14	13.5	51	
AON6232	DFN 5x6	Single	General Purpose	N	No	No		40	20	85	67	83	33	2.5	3.6					2.5	3165	52.5	18.2	2.8	8.7	33.5	
AON6234	DFN 5x6	Single	General Purpose	N	No	No		40	20	85	67	83	33	3.4	5					2.4	2335	45	15	4.5	8	26	
AON6236	DFN 5x6	Single	General Purpose	N	No	No		40	20	30	24	39	15.5	7	10.5					2.4	1225	26.5	8.2	2.5	6	23.5	
AON6240	DFN 5x6	Single	General Purpose	N	No	No		40	20	85	67	83	33	1.6	2.4					2.4	5458	103	31	10.8	14.8	61.3	
AON6440	DFN 5x6	Single	General Purpose	N	No	No		40	20	85	67	83	33	3.4	5.5					2.2	5000	300	40	15	13.7	54	
AON6442	DFN 5x6	Single	General Purpose	N	No	No		40	20	65	42	35.7	14	4.8	7					2.4	1830	43	12.8	6	7.2	23	
AON6200L	DFN 5x6	Single	SMPS	N	No	No		30	20	24	18	35	14	7.8	11					2.4	1090	38	7	2.5	5	16	

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AON6202	DFN 5x6	Single	SMPS	N	No	No		30	20	24	19	35	14	5.5	7.5					2.3	1840	63	12	4.2	6.5	21
AON6204	DFN 5x6	Single	General Purpose	N	No	No		30	20	24	19	31	13	12	18					2.4	510	22	3.5	1.4	4.3	15.8
AON6210	DFN 5x6	Single	SMPS	N	No	No		30	20	85	67	83	33	1.8	2.5					2.1	5250	160	38	13	12	53
AON6400	DFN 5x6	Single	Load Switch	N	No	No		30	20	85	67	83	33	1.4	1.8					2.2	6900	730	70	32	12	88
AON6404	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	85	67	83	33	2.2	3.8					2	7420	720	54	22	17	67
AON6404A	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	85	67	83	33	2.3	3					2.4	4335	435	33	16	10	75.5
AON6408	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	25	20	31	12.5	6.5	9.5					2.5	1590	145	15	7.8	6.7	22.5
AON6414AL	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	50	31	31	12.5	8	10.5					2.5	1150	105	9.5	5	6.5	17
AON6416	DFN 5x6	Single	General Purpose	N	No	No		30	20	22	17	31	12.5	8	14					2.4	1190	130	11	6	7	22
AON6418	DFN 5x6	Single	General Purpose	N	No	No		30	20	36	28	36	14	5.5	9.5					3	2037	220	16	4.6	8.8	23
AON6422	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	80	63	83	33	4.5	6.9					2.3	5450	540	42	21	13	49
AON6424	DFN 5x6	Single	SMPS High Side	N	No	No		30	12	41	26	25	10	8.5	10					1.6	1580	100	12	3	5	29
AON6426	DFN 5x6	Single	Load Switch	N	No	No		30	20	65	43	42	17	5.5	7.5					2.5	1930	230	18	11	8.1	29
AON6428	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	43	27	30	12	10	14.5					2.2	770	77	7.1	3.1	5	18
<b>AON6500</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>200</b>	<b>151</b>	<b>83</b>	<b>33</b>	<b>0.95</b>	<b>1.3</b>					<b>2</b>	<b>7036</b>	<b>353</b>	<b>49.7</b>	<b>21.4</b>	<b>12.3</b>	<b>68.5</b>
AON6502	DFN 5x6	Single	General Purpose	N	No	No		30	20	85	66	83	33	2.2	2.7					2.2	3430	175	25	10.3	7.5	33.8
AON6504	DFN 5x6	Single	General Purpose	N	No	No		30	20	85	66	83	33	1.8	3.3					2.2	2719	169	21	7	9.7	32.5
<b>AON6506</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>36</b>	<b>28</b>	<b>83</b>	<b>33</b>	<b>2.6</b>	<b>3.8</b>					<b>2.2</b>	<b>2719</b>	<b>169</b>	<b>21</b>	<b>7</b>	<b>9.7</b>	<b>32.5</b>
AON6508	DFN 5x6	Single	General Purpose	N	No	No		30	20	32	25	41	16	3.2	5					2.2	2010	124	17	8	7.5	37
AON6512	DFN 5x6	Single	General Purpose	N	No	No		30	20	150	115	83	33	1.7	2.4					2	3430	175	25	10.3	7.5	33.8
AON6514	DFN 5x6	Single	General Purpose	N	No	No		30	20	30	23	25	10	5	8.5					2.2	951	62	7.5	3.2	6.25	18.5
AON6516	DFN 5x6	Single	General Purpose	N	No	No		30	20	56	36	25	10	5	8					2.2	1229	83	12	5.5	7	24
AON6520	DFN 5x6	Single	General Purpose	N	No	No		30	20	50	29	31	12.5	8.5	11					2.5	1150	105	9.5	5	6.5	17
AON6526	DFN 5x6	Single	General Purpose	N	No	No		30	20	32	25	25	10	7	9					2.2	1229	83	12	5.5	7	24
AON6534	DFN 5x6	Single	General Purpose	N	No	No		30	20	30	23	25	10	8	12					2.6	951	62	7.5	3.2	6.25	18.5
<b>AON6542</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>30</b>	<b>23</b>	<b>25</b>	<b>10</b>	<b>5</b>	<b>8.5</b>					<b>2.2</b>	<b>951</b>	<b>62</b>	<b>7.5</b>	<b>3.2</b>	<b>6.25</b>	<b>18.5</b>
AON6702L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	67	83	33	2	3					2.4	5900	560	51	23	17	61
AON6704A	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	66	83	33	2.5	3.4					2.4	3800	420	32	13	10	38
AON6716	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	67	83	33	2.8	4.2					2.2	4100	400	36	12	11	40
<b>AON6752</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>SMPS Low Side</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>20</b>	<b>85</b>	<b>66</b>	<b>83</b>	<b>33</b>	<b>1.7</b>	<b>2.5</b>				<b>2.2</b>	<b>3509</b>	<b>180</b>	<b>25.6</b>	<b>9.5</b>	<b>8</b>	<b>35.8</b>
AON6754	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	66	83	33	1.8	3.3					2.4	2796	165	22.3	8.6	9.5	35.8
AON6756	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	36	28	83	33	2.4	4					2.4	2796	165	22.3	8.6	9.5	35.8
AON6758	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	32	25	41	16	3.6	5					2.4	1975	92	13.6	5.3	7.9	27.3
AON6780	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	67	83	33	1.7	2.2					2	7950	600	63	25	15	97
AON6782	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	66	83	33	2.4	2.9					2	5650	390	42	14	11	62
<b>AON6522</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>25</b>	<b>20</b>	<b>200</b>	<b>151</b>	<b>83</b>	<b>33</b>	<b>0.95</b>	<b>1.3</b>					<b>2</b>	<b>7036</b>	<b>353</b>	<b>49.7</b>	<b>21.4</b>	<b>12.3</b>	<b>68.5</b>
AON6403L	DFN 5x6	Single	Load Switch	P	No	No		-30	20	-85	-67	83	33	3.1	4.3					-2.2	7600	1050	79	33	13	135
AON6405L	DFN 5x6	Single	Load Switch	P	Yes	No		-30	20	-30	-23	83	33	7	8					-1.6	4580	564	41	17	180	1200
AON6407	DFN 5x6	Single	Load Switch	P	No	No		-30	12	-85	-67	156	62.5	2.1	2.5					-1.3	10290	1395	100	36	9	282
<b>AON6411</b>	<b>NEW</b>	<b>DFN 5x6</b>	<b>Single</b>	<b>Load Switch</b>	<b>P</b>	<b>Yes</b>	<b>No</b>	<b>-30</b>	<b>20</b>	<b>-30</b>	<b>-23</b>	<b>83</b>	<b>33</b>	<b>7</b>	<b>8</b>					<b>-1.6</b>	<b>4580</b>	<b>564</b>	<b>41</b>	<b>17</b>	<b>180</b>	<b>1200</b>
AON6435	DFN 5x6	Single	Load Switch	P	No	No		-30	25	-34	-21.5	31	12.5	17	34					-3	1130	155	10	6	10	15
AON6850	DFN 5x6B	Dual	General Purpose	N	No	No		100	25	28	18	56	22	35	42*					4	1530	66	24*	8*	11	16
AON6884	DFN 5x6B	Dual	Inverter	N	No	No		40	20	34	21	21	8	11.3	13.8					2.7	1500	135	13.6	6.4	6.4	29.6
AON6906A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	48	30	45	18	11.7	17.5					2.3	570	20	3.5	1.4	4.1	15.2
AON6906A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	37	23	31	12.5	14.4	21.3					2.4	510	22	3.3	1.4	4.3	15.8
AON6908A	DFN 5x6B	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	80	62	78	31	3.6	4.5					2	4380	280	31	9	10	50
AON6908A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	46	28	31	12	8.9	12.5					2.4	850	30	5.7	2.6	5	18.5
AON6910A	DFN 5x6B	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	80	52	52	20	4.1	5					2	3415	232	24	10	9	47

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AON6910A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	37	23	31	12.5	14	20					2.4	510	22	3.3	1.4	4.3	15.8
AON6912A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	52	33	30	12	7.3	10.4				2.5	1090	38	7	2.5	5	16	
AON6912A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	34	21	22	9	13.7	19.3				2.5	760	70	6.6	3	4.4	17	
AON6920	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	60	38	31	12.5	5.2	7.8				2.3	1300	35	7.2	1.8	5	20	
AON6920	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	85	66	104	41.5	1.8	2.7				2.3	4000	65	23	6	7	33	
AON6924	DFN 5x6A	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	60	38	31	12.5	5.2	7.8				2.3	1300	35	7.2	1.8	5	20	
AON6924	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	85	66	104	14.5	1.6	1.9				2.1	8190	670	60	20	15	103	
AON6926	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	50	32	35	14	8.5	12				2.4	1130	40	8	3	6	19	
AON6926	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	44	28	31	12.5	11	14				2.5	1150	105	9.5	5	6.5	17	
AON6932	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	28	22	31	12	5	8.5				2.2	951	62	7.5	3.2	6.25	18.5	
AON6932	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	42	33	78	31	2.4	3.2				2.4	3430	175	25	10.3	7.5	33.8	
AON6934	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	28	22	31	12	5.2	7.9				2.2	951	62	7.5	3.2	6.25	18.5	
AON6934	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	36	28	33	13	2.8	4.4				2.2	2010	124	17	8	7.5	37	
<b>AON6938</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>30</b>	<b>23</b>	<b>31</b>	<b>12.5</b>	<b>8.2</b>	<b>11.5</b>				<b>2.5</b>	<b>1150</b>	<b>105</b>	<b>9.5</b>	<b>5</b>	<b>6.5</b>	<b>17</b>	
<b>AON6938</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>42</b>	<b>33</b>	<b>78</b>	<b>31</b>	<b>2.2</b>	<b>3.3</b>				<b>2.2</b>	<b>2719</b>	<b>169</b>	<b>21</b>	<b>7</b>	<b>9.7</b>	<b>32.5</b>	
<b>AON6973</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>28</b>	<b>22</b>	<b>31</b>	<b>12</b>	<b>5.2</b>	<b>9.5</b>				<b>2.2</b>	<b>951</b>	<b>62</b>	<b>7.5</b>	<b>3.2</b>	<b>6.25</b>	<b>18.5</b>	
<b>AON6973</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>36</b>	<b>28</b>	<b>33</b>	<b>13</b>	<b>3.8</b>	<b>6.4</b>				<b>2.4</b>	<b>1975</b>	<b>92</b>	<b>13.6</b>	<b>5.3</b>	<b>7.9</b>	<b>27.3</b>	
<b>AON6974</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>28</b>	<b>22</b>	<b>31</b>	<b>12</b>	<b>5.2</b>	<b>9.5</b>				<b>2.2</b>	<b>951</b>	<b>62</b>	<b>7.5</b>	<b>3.2</b>	<b>6.25</b>	<b>18.5</b>	
<b>AON6974</b>	<b>NEW</b>	<b>DFN 5x6B</b>	<b>Asymmetric</b>	<b>SMPS</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>36</b>	<b>28</b>	<b>33</b>	<b>13</b>	<b>3.2</b>	<b>5</b>				<b>2.4</b>	<b>1975</b>	<b>92</b>	<b>13.6</b>	<b>5.3</b>	<b>7.9</b>	<b>27.3</b>	
AON6918	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	20	60	38	31	12.5	5.2	7.8				2.3	1300	35	7.2	1.8	5	20	
AON6918	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	20	85	66	104	41.5	1.8	2.7				2.3	4000	65	23	6	7	33	
AON6922	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	12	71	44	31	12.5	3.8	4.8				1.7	1950	70	11.2	4	5.5	30	
AON6922	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	12	85	66	104	41.5	1.4	1.8				1.7	5690	165	26	5.7	9	60	

**SO-8**

AO4452	SO-8	Single	General Purpose	N	No	No		100	25	8	6.5	3.1	2	25	31*				4	1770	55	28*	10	12	17
AO4454	SO-8	Single	General Purpose	N	No	No		100	25	6.5	5.3	3.1	2	36	43*				4	1180	36	19*	6.3	10	15
AO4482L	SO-8	Single	Load Switch	N	No	No		100	20	6	5	3.1	2	37	42				2.7	1630	50	18	9	7	28
AO4486	SO-8	Single	General Purpose	N	No	No		100	20	4.2	3.4	3.1	2	79	90				2.7	778	24	8.1	4.1	6	21
AO4444L	SO-8	Single	General Purpose	N	No	No		80	25	11	9	3.1	2	12	14.5*				3.8	2386	100	38*	10	13	23
AO4448	SO-8	Single	General Purpose	N	No	No		80	25	10	8	3.1	2	16	20*				4.2	1670	72	28*	8	12	20
AO4442	SO-8	Single	Display	N	No	No		75	25	3.1	2.5	2.5	2	130	165				3	303	17	2.46	1.34	4.5	15.6
<b>AO4260</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>20</b>	<b>18</b>	<b>14</b>	<b>3.1</b>	<b>2</b>	<b>5.2</b>	<b>6.3</b>				<b>2.3</b>	<b>4940</b>	<b>32</b>	<b>31</b>	<b>8.5</b>	<b>8.5</b>	<b>50</b>
AO4438	SO-8	Single	Display	N	No	No		60	20	8.2	6.6	3.1	2	22	27				3	1920	116	24.2	14.4	8.2	29.7
AO4440	SO-8	Single	Display	N	No	No		60	20	5	4	2.5	1.6	55	75				2.5	450	25	4.3	2.2	5.1	15.9
AO4450	SO-8	Single	Load Switch	N	No	No		40	20	7	5.5	3.1	2	30	38				3	516	43	4.3	1.4	6.4	16.2
AO4480	SO-8	Single	Display	N	Yes	No		40	20	14	11	3.1	2	11.5	15.5				3	1600	100	10.5	4.8	3.5	13.2
AO4484	SO-8	Single	Inverter	N	No	No		40	20	10	8	1.7	1.1	10	12.5				3	1500	135	13.6	6.4	6.4	29.6
AO4310	SO-8	Single	General Purpose	N	No	No		36	20	27	22	3.6	2.3	3.1	4.2				2.3	3248	54	20.6	6.2	8.5	40.8
AO4312	SO-8	Single	Battery Protection	N	No	No		36	20	23	18	4.2	2.7	4.5	6.2				2.3	1952	50	12.7	4.7	7	26
AO4314	SO-8	Single	Battery Protection	N	No	No		36	20	20	16	4.2	2.7	6	8.5				2.3	1225	35	8.6	3.2	4.5	20.3
AO4202	SO-8	Single	SMPS Low Side	N	No	No		30	20	24	19	3.1	2	3.3	4.3				3.3	4245	69	28	8	9	42
<b>AO4240</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>19</b>	<b>15</b>	<b>3.1</b>	<b>2</b>	<b>5.7</b>	<b>7</b>				<b>2.3</b>	<b>1840</b>	<b>63</b>	<b>13</b>	<b>4.2</b>	<b>6.5</b>	<b>21</b>
AO4302	SO-8	Single	Battery Protection	N	Yes	No		30	20	23	18	3.6	2.3	4	6				2.3	2891	256	24.8	10.9	7	41.5
AO4304	SO-8	Single	Battery Protection	N	No	No		30	20	18	14	3.6	2.3	6	7.6				2.4	1598	154	11.1	5.6	7.3	25
<b>AO4354</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>23</b>	<b>14</b>	<b>3.1</b>	<b>1.2</b>	<b>3.7</b>	<b>5.3</b>				<b>2.2</b>	<b>2010</b>	<b>124</b>	<b>17</b>	<b>8</b>	<b>7.5</b>	<b>37</b>
AO4404B	SO-8	Single	General Purpose	N	No	No		30	12	8.5	7.1	3.1	2	24	30	48			1.45	630	50	6	1.8	3	25
AO4406	SO-8	Single	SMPS High Side	N	No	No		30	12	11.5	9.6	3	2.1	14	16.5	26			1.5	1630	142	18	5.5	4	32
AO4406A	SO-8	Single	General Purpose	N	No	No		30	20	13	10.4	3.1	2	11.5	15.5				2.5	760	70	6.6	3	4.4	17

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AO4420A	SO-8	Single	General Purpose	N	No	No		30	12	13.7	9.7	3.1	2	10.5	12						2	3656	168	30.5	8.6	5.5	49.8
AO4430	SO-8	Single	General Purpose	N	No	No		30	20	18	15	3	2.1	5.5	7.5						2.5	6060	355	48	15	12	51.5
AO4466	SO-8	Single	SMPS High Side	N	No	No		30	20	10	7	3.1	2	23	35						2.6	373	41	3.5	1.6	4.3	15.8
AO4468	SO-8	Single	Load Switch	N	No	No		30	20	10.5	8.5	3.1	2	14	18						2.4	740	82	7.5	3	5	19
AO4474	SO-8	Single	SMPS High Side	N	No	No		30	12	13.4	10.7	3.7	2.4	11.5	13.5						2.5	1210	85	22	2.7	10	21
AO4476AL	SO-8	Single	SMPS	N	No	No		30	20	15	12	3.1	2	7.7	10.8						2.5	1150	105	9.5	5	6.5	17
AO4478	SO-8	Single	General Purpose	N	No	No		30	25	9	7	3.1	2	19	26						2	466	61	4.3	2.3	5	20
AO4488	SO-8	Single	Load Switch	N	Yes	No		30	20	20	17	3.1	2	4.6	6.4						3	5450	540	84	21	13	49
AO4490	SO-8	Single	Load Switch	N	Yes	No		30	20	16	13	2.8	1.8	7.2	10						2.5	1803	387	238	8.7	7.6	27
AO4492	SO-8	Single	SMPS High Side	N	No	No		30	20	14	11.4	3.1	2	9.5	14						2.2	770	77	7.1	3.1	5	18
AO4494	SO-8	Single	SMPS High Side	N	No	No		30	20	18	14	3.1	2	6.5	9.5						2.5	1590	145	15	7.8	6.7	22.5
AO4496	SO-8	Single	SMPS	N	No	No		30	20	10	7.5	3.1	2	19.5	26						2.5	550	55	4.6	2.2	5	24
AO4498	SO-8	Single	Load Switch	N	No	No		30	20	18	14	3.1	2	5.5	7.5						2.5	1910	227	18	11	8.1	29
AO4498E	SO-8	Single	Load Switch	N	Yes	No		30	20	18	14	3.1	2	5.8	8.5						2.3	2300	240	20	10	8	33
<b>AO4576</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>20</b>	<b>12</b>	<b>3.1</b>	<b>1.2</b>	<b>5.8</b>	<b>9.8</b>						<b>2.2</b>	<b>951</b>	<b>62</b>	<b>7.5</b>	<b>3.2</b>	<b>6.25</b>	<b>18.5</b>
AO4588	SO-8	Single	Load Switch	N	Yes	No		30	20	20	15.5	3.1	2	4.8	6.2						2.4	2445	220	19	6.6	17.5	31
AO4706	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	16.5	13.2	3.1	2	6.8	8.2						2.4	4000	217	27	11	9	37
<b>AO4708</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>SMPS Low Side</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>12</b>	<b>15</b>	<b>12</b>	<b>3.1</b>	<b>2</b>	<b>8.7</b>	<b>10.5</b>				<b>2.4</b>	<b>2800</b>	<b>145</b>	<b>19</b>	<b>6</b>	<b>7</b>	<b>31</b>	
AO4710	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	12.7	10	3.1	2	11.8	14.2						2.3	1980	111	15	6	5.5	27
AO4712	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	13	10	3.1	2	11	14						2.1	1170	89	8.7	3	6	23
AO4718	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	15	12	3.1	2	9	14						2.5	1620	162	12	5.6	6.3	21.6
AO4720	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	12.7	10	3.1	2	11.8	14.2						2.3	1980	111	15	6	5.5	27
AO4722	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	13	10	3.1	2	11	14						2.1	1170	89	8.7	3	6	23
AO4724	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	15	12	3.1	2	9	14						2.5	1620	162	12	5.6	6.3	21.6
<b>AO4752</b>	<b>NEW</b>	<b>SO-8</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>20</b>	<b>15</b>	<b>12</b>	<b>3.1</b>	<b>2</b>	<b>8.8</b>	<b>15.5</b>				<b>2.5</b>	<b>605</b>	<b>36.5</b>	<b>5.5</b>	<b>2.6</b>	<b>5</b>	<b>17</b>	
AO4772	SO-8	Single	General Purpose	N	No	Yes	4 A	30	20	6	5	2	1.3	30	42						2.4	255	35	2.55	1.3	4.5	14.5
AO4402	SO-8	Single	Load Switch	N	No	No		20	12	20	16	3.1	2		5.5	7					1.6	3860	580	36	12	7	70
AO4437	SO-8	Single	Load Switch	P	Yes	No		-12	8	-11	-9	3	2.1		16	20	25				-1	3960	757	37	11	15	158
AO4403	SO-8	Single	General Purpose	P	No	No		-30	12	-6	-5	3.1	2	48	57	80					-1.3	645	55	7	2.5	6.5	41
AO4407A	SO-8	Single	Load Switch	P	No	No		-30	25	-12	-10	3	2	13							-3	2060	295	30*	10.4	11	24
AO4409	SO-8	Single	Load Switch	P	No	No		-30	20	-15	-12.8	3.1	2	7.5	12						-2.7	5270	745	51.5	23	14	76.5
AO4413	SO-8	Single	Load Switch	P	No	No		-30	25	-15	-12.8	3.1	2	8.5							-3.5	2890	470	51*	16	16	45
AO4415	SO-8	Single	Load Switch	P	No	No		-30	25	-8	-6.6	3	2.1	35							-3.5	893	151	16.6*	5.2	10.5	15.1
AO4419	SO-8	Single	General Purpose	P	No	No		-30	20	-9.7	-7.8	3.1	2	20	35						-2.5	1040	125	9.6	4.6	10	26
AO4423	SO-8	Single	Load Switch	P	Yes	No		-30	25	-17	-14	3.1	2	7.2							-2.6	2527	397	47*	14	12	54
AO4427	SO-8	Single	Load Switch	P	Yes	No		-30	25	-12.5	-10.5	3	2.1	14							-3	2330	320	41*	12	12.8	49.5
AO4433	SO-8	Single	Load Switch	P	Yes	No		-30	25	-11	-9.7	3	2.1	18							-3.5	1760	255	30*	8	11.5	35
AO4435	SO-8	Single	Load Switch	P	No	No		-30	25	-10.5	-8	3.1	2	18	36						-3	1130	155	9.5	3.3	8.7	18
AO4447A	SO-8	Single	Load Switch	P	Yes	No		-30	20	-17	-13	3.1	2	7	8						-1.6	4580	564	41	17	180	1200
AO4449	SO-8	Single	Load Switch	P	No	No		-30	20	-7	-5.5	3.1	2	34	54						-2.4	760	95	6.7	3.2	8	17
AO4459	SO-8	Single	Load Switch	P	No	No		-30	20	-6.5	-5.3	3.1	2	46	72						-2.4	520	65	4.6	2.2	7.5	19
AO4771	SO-8	Single	General Purpose	P	No	Yes	4 A	-30	20	-4	-3	2	1.3	68	105						-2.3	290	40	2.8	1.3	6	21
AO4425	SO-8	Single	Load Switch	P	Yes	No		-38	25	-14	-11	3.1	2	11							-3.5	3800	350	63*	16.1	12.4	97.5
AO4443	SO-8	Single	Display	P	No	No		-40	20	-6.5	-5	3.1	2	42	63						-2.6	940	72	8.4	4.3	10.3	39
AO4485	SO-8	Single	Inverter	P	No	No		-40	20	-10	-8	1.7	1.1	15	20						-2.5	2500	180	18.6	8.6	9.4	55
AO4421	SO-8	Single	General Purpose	P	No	No		-60	20	-6.2	-5	3.1	2	40	50						-3	2417	120	22.7	9.2	9.8	44
AO4441	SO-8	Single	Display	P	No	No		-60	20	-4	-3.1	3.1	2	100	130						-3	930	35	8	3.2	8	31.5
AO4886	SO-8	Dual	General Purpose	N	No	No		100	20	3.3	2.7	2	1.28	80	91						2.7	778	24	8.1	4.1	6	21

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AO4830	SO-8	Dual	Load Switch	N	No	No		80	30	3.5	2.9	2	1.3	75						5	640	20	5.5	1.2	7.2	17
AO4850	SO-8	Dual	Inverter	N	No	No		75	25	3.1	2.4	2	1.3	130	165					3	290	24	5.14*	1.18	4	14.4
AO4826	SO-8	Dual	General Purpose	N	No	No		60	20	6.3	5	2	1.28	25	30					3	1920	116	24.2	14.4	7.6	28.9
AO4828	SO-8	Dual	General Purpose	N	No	No		60	20	4.5	3.6	2	1.28	56	77					3	450	25	4.3	2.2	4.7	15.7
AO4852	SO-8	Dual	Inverter	N	No	No		60	20	3	2.4	1.4	0.9	90	105					2.6	372	17	3.6	2	4.1	15
AO4840	SO-8	Dual	General Purpose	N	No	No		40	20	6	5	2	1.3	30	38					3	516	43	4.3	1.4	6.2	16.2
AO4882	SO-8	Dual	Inverter	N	No	No		40	20	8	6	2	1.3	19	27					2.4	415	11	3	1.1	4	15
AO4884	SO-8	Dual	Inverter	N	No	No		40	20	10	8	2	1.3	13	16					2.7	1500	135	13.6	6.4	6.4	29.6
AO4800B	SO-8	Dual	General Purpose	N	No	No		30	12	6.9	5.8	2	1.3	27	32	50				1.5	630	50	6	1.8	3	25
AO4818B	SO-8	Dual	General Purpose	N	No	No		30	20	8.5	6.5	2	1.3	19	26					2.4	740	82	7.5	3	5	19
AO4822A	SO-8	Dual	General Purpose	N	No	No		30	20	8.5	6.5	2	1.3	19	26					2.4	740	82	7.5	3	5	19
AO4832	SO-8	Dual	SMPS	N	No	No		30	20	10	8	2	1.3	13	17.5					2.5	760	70	6.6	3	4.4	17
AO4838	SO-8	Dual	SMPS	N	No	No		30	20	11	9	2	1.3	9.6	13					2.6	1080	110	8	3	6	21
AO4842	SO-8	Dual	General Purpose	N	No	No		30	20	7.7	6.5	2	1.44	22	32					2.6	373	41	3.5	1.7	4.5	14.9
AO4854	SO-8	Dual	SMPS	N	Yes	No		30	20	8	6.5	2	1.3	19	23					2.4	740	82	7.5	3	5	19
AO4806	SO-8	Dual	General Purpose	N	Yes	No		20	12	9.4	7.5	2	1.28	14	16	22	30			1	1810	200	17.9	4.7	3.3	44
AO9926B	SO-8	Dual	Battery Protection	N	No	No		20	12	7.6	6.1	2	1.28	23	26	34	52			1.1	525	75	6	2	3	20
AO9926C	SO-8	Dual	Battery Protection	N	No	No		20	12	7.6	6.1	2	1.28	23	26	34	52			1.1	525	75	6	2	3	20
AO4821	SO-8	Dual	Load Switch	P	Yes	No		-12	8	-9	-7	2	1.28		19	24	30			-0.85	1710	200	19	5.3	240	7000
AO4801A	SO-8	Dual	General Purpose	P	No	No		-30	12	-5	-4	2	1.3	48	57	80				-1.3	645	55	7	2.5	6.5	41
AO4803A	SO-8	Dual	General Purpose	P	No	No		-30	20	-5	-4	2	1.3	46	74					-2.5	520	65	4.6	2.2	7.5	19
AO4805	SO-8	Dual	Load Switch	P	No	No		-30	25	-9	-7	2	1.3	18						-2.8	2060	295	30*	10	11	24
AO4807	SO-8	Dual	General Purpose	P	No	No		-30	20	-6	-5	2	1.3	35	58					-2.4	760	95	6.7	3.2	8	17
AO4813	SO-8	Dual	General Purpose	P	No	No		-30	20	-7.1	-5.6	2	1.3	25	40					-2.5	1040	125	9.3	4.6	10	26
AO4815	SO-8	Dual	Load Switch	P	Yes	No		-30	25	-8	-6.9	2	1.44	20						-3	2330	320	41*	12	13	51
AO4817	SO-8	Dual	Load Switch	P	Yes	No		-30	25	-8	-6.9	2	1.44	21						-3	1760	255	30*	8	12.5	40
AO4611	SO-8	Complementary	Inverter	N	No	No		60	20	6.3	5	2	1.28	25	30					3	1920	116	24.2	14.4	7.6	28.9
AO4611	SO-8	Complementary	Inverter	P	No	No		-60	20	-4.9	-3.9	2	1.28	42	52					-3	2417	120	22.8	9.6	9.8	44
AO4612	SO-8	Complementary	Inverter	N	No	No		60	20	4.5	3.6	2	1.28	56	77					3	450	25	4.3	2.2	4.7	15.7
AO4612	SO-8	Complementary	Inverter	P	No	No		-60	20	-3.2	-2.6	2	1.28	105	135					-3	930	35	8	3.2	8	31.5
AO4614B	SO-8	Complementary	Inverter	N	No	No		40	20	6	5	2	1.28	30	38					3	516	43	4.3	1.4	6.4	16.2
AO4614B	SO-8	Complementary	Inverter	P	No	No		-40	20	-5	-4	2	1.28	45	63					-3	940	72	7.9	3.2	6.2	44.8
AO4617	SO-8	Complementary	Inverter	N	Yes	No		40	20	6	5	2	1.28	32	45					3	506	38	4.1	2.7	4.8	17
AO4617	SO-8	Complementary	Inverter	P	Yes	No		-40	20	-5	-4	2	1.28	48	75					-3	1006	77	8.9	4.6	9.7	35.5
AO4618	SO-8	Complementary	Inverter	N	Yes	No		40	20	8	6	2	1.3	19	27					3	422	11	3	0.8	4.5	16
AO4618	SO-8	Complementary	Inverter	P	Yes	No		-40	20	-7	-5.5	2	1.3	23	30					-3	1870	155	8	6.2	10	38
AO4607	SO-8	Complementary	Inverter	N	No	Yes	1A	30	20	6.9	5.8	2	1.28	28	42					3	680	77	6.74	3.2	4.6	20.6
AO4607	SO-8	Complementary	Inverter	P	No	No		-30	20	-6	-5	2	1.28	35	58					-2.4	920	122	9.6	4.5	7.7	20.2
AO4613	SO-8	Complementary	Inverter	N	Yes	No		30	20	7.2	6.1	2	1.44	24	40					3	522	75	5.3	4	4.7	16.2
AO4613	SO-8	Complementary	Inverter	P	Yes	No		-30	20	-6.1	-5.1	2	1.44	37	60					-3	1040	134	8.7	5	9	22.7
AO4616	SO-8	Complementary	Inverter	N	No	No		30	20	8.5	6.5	2	1.28	20	28					3	1040	110	9.36	4.2	5.2	17.3
AO4616	SO-8	Complementary	Inverter	P	No	No		-30	20	-7.1	-5.6	2	1.28	25	40					-2.7	1573	211	16.1	4.4	9.5	44.2
AO4620	SO-8	Complementary	Inverter	N	No	No		30	20	7.2	6.2	2	1.44	24	36					2.6	373	41	3.5	1.7	4.5	14.9
AO4620	SO-8	Complementary	Inverter	P	No	No		-30	20	-5.3	-4.5	2	1.44	32	55					-2.4	760	95	6.7	3.2	8	17
AO4627	SO-8	Complementary	Inverter	N	No	No		30	20	4.5	3.5	2	1.3	50	68					2.5	170	23	2	1	4.5	18.5
AO4627	SO-8	Complementary	Inverter	P	No	No		-30	20	-3.5	-2.5	2	1.3	100	165					-2.4	197	26	2.2	1.1	7.5	11.8
AO4629	SO-8	Complementary	Inverter	N	No	No		30	20	6	5	2	1.3	30	42					2.4	250	35	2.55	1.3	4.5	14.5
AO4629	SO-8	Complementary	Inverter	P	No	No		-30	20	-5.5	-4.5	2	1.3	41	74					-2.5	520	65	4.6	2.2	7.5	19

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AO4622	SO-8	Complementary	Inverter	N	No	No		20	16	7.3	6.2	2	1.44	23	30	84		2	900	105	7.2	2.8	4.5	18.7			
AO4622	SO-8	Complementary	Inverter	P	No	No		-20	12	-5	-4.2	2	1.44		53	87		-1.3	800	103	7.4	2.9	4.4	44			
AO4924	SO-8	Asymmetric	SMPS	N	No	No		30	12	7.3	5.9	2	1.3	24	29		1.5	900	65	10	3.75	3.2	21.5				
AO4924	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	9	7.2	2	1.3	15.8	19.5		2.4	1450	92	12	4.2	5.5	24				
AO4932	SO-8	Asymmetric	SMPS	N	No	No		30	20	8	6.5	2	1.3	19	23		2.4	740	82	7.5	3	5	19				
AO4932	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	11	9	2	1.3	12.5	15		2.1	1170	89	8.7	3	6	23				
AO4938	SO-8	Asymmetric	SMPS	N	No	No		30	20	8.8	7.1	2	1.3	19	28		2.2	1267	118	10.4	3.6	5.2	21.2				
AO4938	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	8	6.5	2	1.3	19	23		2.4	740	82	7.5	3	5	19				
AO4940	SO-8	Asymmetric	SMPS	N	No	No		30	20	7.8	6.3	2	1.3	21	32		2.6	373	41	3.5	1.7	4.5	14.9				
AO4940	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	9.1	7.3	2	1.3	16	22		2.5	903	91	7.8	3.9	5	17.8				
AO4948	SO-8	Asymmetric	SMPS	N	No	No		30	20	8	6.5	2	1.3	19	28		2.4	740	82	7.5	3	5	19				
AO4948	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	8.8	7.1	2	1.3	16	22		2.2	1267	118	10.4	3.6	5.2	21.2				
<b>Ultra SO-8</b>																											
AOL1482	Ultra SO-8	Single	Load Switch	N	No	No		100	20	28	20	75	37	37	42		2.7	1630	50	18	9	7	29				
AOL1240	Ultra SO-8	Single	General Purpose	N	No	No		40	20	69	54	125	62.5	3	4.4		2.3	3165	45.5	18	3.5	9	32				
AOL1242	Ultra SO-8	Single	General Purpose	N	No	No		40	20	69	54	68	34	5.2	7.9		2.3	1350	26	8	2.3	6	23				
AOL1454	Ultra SO-8	Single	Inverter	N	Yes	No		40	20	50	48	60	30	9	13		3	1600	100	10.5	4.8	6.5	33				
AOL1202	Ultra SO-8	Single	SMPS	N	No	No		30	20	54	42	58	29	4.2	6		2.3	1840	63	12	4.2	6.5	21				
AOL1206	Ultra SO-8	Single	SMPS	N	No	No		30	20	54	42	62	31	6	8.5		2.3	1390	53	8.7	3	6	20				
AOL1208	Ultra SO-8	Single	SMPS	N	No	No		30	20	50	36	50	25	11	15		2.4	850	30	7	3.5	6	19.5				
AOL1426	Ultra SO-8	Single	SMPS High Side	N	No	No		30	12	46	33	43	21	10.5	13.5		2.5	1210	85	10	2.7	10	21				
AOL1428A	Ultra SO-8	Single	SMPS High Side	N	No	No		30	20	49	38	93	46	8	11.5		2.6	1080	110	8	3	6	21				
AOL1448	Ultra SO-8	Single	SMPS High Side	N	No	No		30	20	36	28	30	15	9.5	14		2.2	770	77	7.1	3.1	5	18				
AOL1458	Ultra SO-8	Single	SMPS Low Side	N	No	No		30	20	46	36	43	21	5.6	9.5		3	2037	220	16	4.6	8.8	23				
AOL1700	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	81	100	50	4.2	6		2.2	3760	314	29	12	9.5	34				
<b>AOL1704</b>	<b>NEW</b>	<b>Ultra SO-8</b>	<b>Single</b>	<b>SMPS Low Side</b>	<b>N</b>	<b>No</b>	<b>Yes</b>	<b>SRFET</b>	<b>30</b>	<b>12</b>	<b>50</b>	<b>43</b>	<b>50</b>	<b>25</b>	<b>7.8</b>	<b>9.8</b>	<b>2.4</b>	<b>2800</b>	<b>145</b>	<b>19</b>	<b>6</b>	<b>7</b>	<b>31</b>				
AOL1712	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	65	65	100	50	4.2	5.5		2.5	3940	255	35	12.4	9.8	45				
AOL1432A	Ultra SO-8	Single	SMPS High Side	N	No	No		25	20	44	31	30	15	7.5	14		3	1180	175	11	6.4	6.8	21.5				
AOL1404	Ultra SO-8	Single	Load Switch	N	No	No		20	12	45	35	60	30		4	5.6	1.6	3860	580	36	12	7	70				
AOL1413	Ultra SO-8	Single	Load Switch	P	Yes	No		-30	25	-38	-27	38	19	17			-2.5	1760	255	11	8	11.5	35				
AOL1401	Ultra SO-8	Single	Battery Protection	P	Yes	No		-38	25	-85	-62	100	50	10			-3.5	3800	350	61.2*	15.4	13.5	97				
<b>PDIP-8</b>																											
AOP609	PDIP-8	Complementary	Inverter	N	Yes	No		60	20	4.7	3.8	2.5	1.6	60	75		3	474	60	2.5	1.4	5.4	17.2				
AOP609	PDIP-8	Complementary	Inverter	P	Yes	No		-60	20	-3.5	-2.9	2.5	1.6	115	140		-3	897	36	3.9	1.7	9	35				
AOP605	PDIP-8	Complementary	Inverter	N	No	No		30	20	7.5	6	2.5	1.6	28	43		3	680	77	6.74	3.2	4.6	20.6				
AOP605	PDIP-8	Complementary	Inverter	P	No	No		-30	20	-6.6	-5.3	2.5	1.6	35	58		-2.4	920	122	9.6	4.5	7.7	20.2				
<b>TO-220</b>																											
AOT500	TO-220	Single	General Purpose	N	No	No		Clamped	Clamped	80	57	115	58	5.3			3	4735	340	34	15	25	150				
AOT502	TO-220	Single	General Purpose	N	No	No		Clamped	Clamped	60	41	79	39	11.5			2.7	1205	109	23.4*	7	13.5	63				
<b>AOT8N80</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>800</b>	<b>30</b>	<b>7.4</b>	<b>4.6</b>	<b>245</b>		<b>1630</b>			<b>4.5</b>	<b>1375</b>	<b>11</b>	<b>26</b>	<b>9.1</b>	<b>35</b>	<b>69</b>				
AOT7N70	TO-220	Single	High Voltage	N	No	No		700	30	7	4.2	198		1800			4.5	978	7	20.5*	7.9*	23	53				
AOT9N70	TO-220	Single	High Voltage	N	No	No		700	30	9	5.8	236		1200			4.5	1357	7.4	28.5*	11.6*	35	76				
AOT11N70	TO-220	Single	High Voltage	N	No	No		700	30	11	7.2	271		870			4.5	1793	10.5	37.5*	15*	42	103				
AOT7N65	TO-220	Single	High Voltage	N	No	No		650	30	7	4.5	192		1500			5	887	7	19*	8.3*	22	54				
AOT7S65	TO-220	Single	High Voltage	N	No	No		650	30	7	5	104		650			4	434	17.5	9.2*	2.7*	21	55				
AOT8N65	TO-220	Single	High Voltage	N	No	No		650	30	8	5.2	208		1150			5	1165	9	23.5*	9.5*	26	65				
AOT10N65	TO-220	Single	High Voltage	N	No	No		650	30	10	6.2	250		1000			5	1369	10	27.7*	11.3*	30	74				
AOT11S65	TO-220	Single	High Voltage	N	No	No		650	30	11	8	198		399			4	646	1.1	13.2*	4.3*	25	77				

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AOT12N65	TO-220	Single	High Voltage	N	No	No		650	30	12	7.7	278		720						5	1792	11.5	39.8*	16.8	36	120
AOT15S65	TO-220	Single	High Voltage	N	No	No		650	30	15	10	208		290						4	841	1.1	17.2*	5.3*	27	90
AOT25S65	TO-220	Single	High Voltage	N	No	No		650	30	25	16	357		190						4	1278	1.4	26.4*	9.5*	29	112
AOT1N60	TO-220	Single	High Voltage	N	No	No		600	30	1.3	0.8	41.7		9000						4.5	130	1.8	6.1	3.1	10	20
AOT2N60	TO-220	Single	High Voltage	N	No	No		600	30	2	1.6	74		4400						5	270	2.8	9.5	4.7	17.2	27
AOT3N60	TO-220	Single	High Voltage	N	No	No		600	30	2.5	1.6	59.5		3500						5	304	3.3	9.9	4.6	17	24
AOT4N60	TO-220	Single	High Voltage	N	No	No		600	30	4	2.5	104		2200						5	511	4.4	15	7.6	20.2	36
AOT4S60	TO-220	Single	High Voltage	N	No	No		600	30	4	3	83		900						4.1	263	0.75	6*	1.8*	18	40
AOT5N60	TO-220	Single	High Voltage	N	No	No		600	30	5	3.2	132		1800						5	583	5.3	16.8	8.5	21	35
AOT7N60	TO-220	Single	High Voltage	N	No	No		600	30	7	4.4	176		1200						5	861	6.6	23	11.2	25	51.5
AOT7S60L	TO-220	Single	High Voltage	N	No	No		600	30	7	5	104		600						3.9	372	1.2	8.2*	2.8*	19	50
AOT8N60	TO-220	Single	High Voltage	N	No	No		600	30	8	5	147		900						5	1140	7.8	28.4	13.4	30	69
AOT10N60	TO-220	Single	High Voltage	N	No	No		600	30	10	6.4	208		750						5	1320	9.3	31.1	14.4	28	76
<b>AOT11N60</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>272</b>		<b>650</b>					<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>	
AOT11S60	TO-220	Single	High Voltage	N	No	No		600	30	11	8	178		399						4.1	545	1.42	11*	3.8*	20	59
AOT12N60	TO-220	Single	High Voltage	N	No	No		600	30	12	8.1	223		550						5	1751	13	40.5	17.9	39	122
AOT12N60FD	TO-220	Single	High Voltage	N	No	No		600	30	12	8	278		650						4	1659	15.8	41*	19*	34	120
AOT15S60	TO-220	Single	High Voltage	N	No	No		600	30	15	10	208		290						3.8	717	1.3	15.6*	6*	24.5	84
AOT20N60	TO-220	Single	High Voltage	N	No	No		600	30	20	12	417		370						4.5	3061	22.8	61*	24*	57	128
AOT20S60	TO-220	Single	High Voltage	N	No	No		600	30	20	14	266		199						4.1	1038	2.1	19.8*	7.6*	27.5	87.5
AOT27S60	TO-220	Single	High Voltage	N	No	No		600	30	27	17	357		160						4	1294	2.3	26*	8.8*	31	99
AOT42S60	TO-220	Single	High Voltage	N	No	No		600	30	39	25	417		99						3.8	2154	2.7	40*	11.9*	38.5	136
AOT3N50	TO-220	Single	High Voltage	N	No	No		500	30	3	1.9	74		3000						4.7	276	2.6	6.7	2.7	11	20.5
AOT5N50	TO-220	Single	High Voltage	N	No	No		500	30	5	3.3	104		1500						4.7	517	4.9	15.5	7.2	14.5	34.5
AOT8N50	TO-220	Single	High Voltage	N	No	No		500	30	8	5.6	176		850						4.6	868	7.8	23.6	10.6	19.5	51.5
AOT9N50	TO-220	Single	High Voltage	N	No	No		500	30	9	6	192		850						4.6	868	7.8	23.6*	10.6*	19.5	51.5
AOT12N50	TO-220	Single	High Voltage	N	No	No		500	30	12	7.6	208		520						4.5	1361	12.6	29.1	20.1	29	82
AOT13N50	TO-220	Single	High Voltage	N	No	No		500	30	13	8.5	250		510						4.5	1361	12.6	30.7*	13*	29	82
AOT14N50	TO-220	Single	High Voltage	N	No	No		500	30	14	11	278		380						4.5	1914	16	42.8	20.3	44	92
AOT14N50FD	TO-220	Single	High Voltage	N	No	No		500	30	14	9.6	278		470						4	1654	14.5	38.8*	17.5*	32	104
AOT16N50	TO-220	Single	High Voltage	N	No	No		500	30	16	11	278		370						4.5	1914	16	42.8*	20.3*	44	92
AOT22N50	TO-220	Single	High Voltage	N	No	No		500	30	22	15	417		260						4.5	3086	24	69*	24*	60	124
<b>AOT29S50</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>29</b>	<b>18</b>	<b>357</b>		<b>150</b>					<b>3.9</b>	<b>1312</b>	<b>2.5</b>	<b>26.6*</b>	<b>9.2*</b>	<b>28</b>	<b>103</b>	
AOT9N40	TO-220	Single	General Purpose	N	No	No		400	30	8	5	132		800						4.5	630	5.7	13.1*	4.8*	17	25
AOT12N30	TO-220	Single	High Voltage	N	No	No		300	30	11.5	7.3	132		420						4.5	632	7	12.8*	4.3*	18	36
AOT20N25	TO-220	Single	High Voltage	N	No	No		250	30	20	14	208		170						4.5	1028	11	20*	8*	27	70
<b>AOT454L</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>150</b>	<b>20</b>	<b>32</b>	<b>22.6</b>	<b>125</b>	<b>62.5</b>	<b>46</b>	<b>53</b>				<b>2.7</b>	<b>2150</b>	<b>4</b>	<b>12</b>	<b>3</b>	<b>9</b>	<b>29</b>	
AOT404	TO-220	Single	General Purpose	N	No	No		105	25	40	28	100	50	28						4	2038	85	38.5*	13.4	12.7	31.5
AOT290L	TO-220	Single	General Purpose	N	No	No		100	20	140	440	500	250	3.5						4.1	7180	42	90*	21	31	45
AOT298L	TO-220	Single	General Purpose	N	No	No		100	20	28	41	100	50	14.5						4.1	1250	25	18	6*	7.5	15
AOT410L	TO-220	Single	General Purpose	N	No	No		100	25	150	108	333	167	6.5	7.5*					4	6622	215	107*	40	28	43.5
AOT412	TO-220	Single	General Purpose	N	No	No		100	25	60	44	150	75	15.8	19.4*					3.8	2680	100	45	15	19	27
AOT414	TO-220	Single	General Purpose	N	No	No		100	25	43	31	115	58	25	31*					4	1770	55	28*	10	12	17
AOT416	TO-220	Single	General Purpose	N	No	No		100	25	42	30	150	75	37	43					4	1180	36	19*	6.3	10	15
AOT418L	TO-220	Single	General Purpose	N	No	No		100	25	105	82	333	167	10	12*					3.9	4334	131	69*	22*	21	38
AOT1100L	TO-220	Single	High Voltage	N	No	No		100	20	130	92	500	250	12						3.8	4833	35	82*	19*	21	50
AOT2918L	TO-220	Single	General Purpose	N	No	No		100	20	90	70	267	133	7						3.9	2580	37	38*	12	17	30
AOT480L	TO-220	Single	General Purpose	N	No	No		80	25	180	134	333	167	4.5	5.5*					4	6520	310	116*	38	31.5	46

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						V <sub>GS(th)</sub> (max V)	C <sub>iss</sub> (pF)	C <sub>rss</sub> (pF)	Q <sub>g</sub> * (nC)	Q <sub>gd</sub> (nC)	T <sub>d(on)</sub> (ns)	T <sub>d(off)</sub> (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AOT482L	TO-220	Single	General Purpose	N	No	No		80	25	105	82	333	167	7.2	9*					3.7	4054	160	66.8*	20.2*	26	48	
<b>AOT270L</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>75</b>	<b>20</b>	<b>140</b>	<b>110</b>	<b>500</b>	<b>250</b>	<b>2.6</b>	<b>3*</b>					<b>3</b>	<b>10350</b>	<b>90</b>	<b>153*</b>	<b>35*</b>	<b>30</b>	<b>80</b>	
AOT430	TO-220	Single	General Purpose	N	No	No		75	25	80	78	268	134	11.5						4	4700	180	*114	18	21	70	
AOT470	TO-220	Single	General Purpose	N	No	No		75	25	100	78	268	134	10.5						4	4700	180	114*	18	21	70	
AOT472	TO-220	Single	General Purpose	N	No	No		75	20	140	101	417	208	8.9						3.9	3753	54	96*	13	18	57	
AOT474	TO-220	Single	General Purpose	N	No	No		75	20	127	89	417	208	11.3						4	2805	36	49.6	14	15	42	
AOT260L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	330	165	2.5	2.9*					3.2	11800	40	150*	15	30	74	
AOT262L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	333	167	3	3.2*					3.2	8140	32	95*	5*	27	47	
AOT264L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	333	167	3.2	3.5					3.2	6960	30	78*	5*	23	45	
AOT266L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	268	134	3.5	4*					3.2	5650	20	65*	7*	21	36	
AOT460	TO-220	Single	General Purpose	N	No	No		60	20	85	85	268	134	7.5						4	3800	190	68	19	18	44	
AOT462L	TO-220	Single	General Purpose	N	No	No		60	20	35	27	100	50	18						4	1840	80	27.8	6.6	12	38	
AOT466L	TO-220	Single	General Purpose	N	No	No		60	25	180	140	333	167	3.9						5	5607	485	108*	46*	31	41	
AOT1606L	TO-220	Single	Rugged Planar	N	No	No		60	20	178	126	417	208	6.3						3.7	3735	69	85	24	18	60	
AOT1608L	TO-220	Single	Rugged Planar	N	No	No		60	20	140	100	333	166	7.6						3.7	3069	56	69	21	18	47	
<b>AOT2606L</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>30</b>	<b>70</b>	<b>56</b>	<b>115</b>	<b>57.5</b>	<b>6.5</b>					<b>3.5</b>	<b>4050</b>	<b>16.8</b>	<b>22</b>	<b>5</b>	<b>18</b>	<b>33</b>		
<b>AOT2608L</b>	<b>NEW</b>	<b>TO-220</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>20</b>	<b>72</b>	<b>54</b>	<b>100</b>	<b>50</b>	<b>8</b>					<b>3.6</b>	<b>2995</b>	<b>10.5</b>	<b>38.5*</b>	<b>3.5*</b>	<b>15</b>	<b>25</b>		
AOT240L	TO-220	Single	General Purpose	N	No	No		40	20	105	82	176	88	2.9	3.7					2.2	3510	68	22	7	11	38	
AOT440	TO-220	Single	General Purpose	N	No	No		40	20	105	82	150	75	4.7	6					2.3	4666	269	36	17	15	52	
AOT1404L	TO-220	Single	Rugged Planar	N	No	No		40	20	220	157	417	208	4.2						3.7	3568	151	71	23	16	54	
AOT210L	TO-220	Single	General Purpose	N	No	No		30	20	105	82	176	88	2.9	3.7					2.2	3520	90	22	7	11	38	
AOT424	TO-220	Single	SMPS Low Side	N	No	No		30	20	110	88	100	50	4	5.5					3	3700	390	30.4	19.8	12.5	40	
<b>TO-220F</b>																											
<b>AOTF5N100</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>1000</b>	<b>30</b>	<b>4</b>	<b>2.5</b>	<b>42</b>	<b>4200</b>						<b>4.5</b>	<b>950</b>	<b>6</b>	<b>19*</b>	<b>6.5*</b>	<b>27</b>	<b>50</b>		
AOTF4N90		TO-220F	Single	High Voltage	N	No	No	900	30	4	2.5	37	3600							4.5	728	5.5	18.4*	8*	22	43	
AOTF6N90		TO-220F	Single	High Voltage	N	No	No	900	30	6	3.9	50	2200							4.5	1196	7.8	29*	13*	30	70	
<b>AOTF8N80</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>800</b>	<b>30</b>	<b>7.4</b>	<b>4.6</b>	<b>50</b>	<b>1630</b>						<b>4.5</b>	<b>1375</b>	<b>11</b>	<b>26</b>	<b>9.1</b>	<b>35</b>	<b>69</b>		
AOTF7N70		TO-220F	Single	High Voltage	N	No	No	700	30	7	4.2	38.5	1800							4.5	978	7	20.5*	7.9*	23	53	
AOTF9N70		TO-220F	Single	High Voltage	N	No	No	700	30	9	5.8	50	1200							4.5	1357	7.4	28.5*	11.6*	35	76	
AOTF11N70		TO-220F	Single	High Voltage	N	No	No	700	30	11	7.2	50	870							4.5	1793	10.5	37.5*	15*	42	103	
AOTF7N65		TO-220F	Single	High Voltage	N	No	No	650	30	7	4.5	38.5	1500							5	887	7	19*	8.3*	22	54	
AOTF7S65		TO-220F	Single	High Voltage	N	No	No	650	30	7	5	25	650							4	434	17.5	9.2*	2.7*	21	55	
AOTF8N65		TO-220F	Single	High Voltage	N	No	No	650	30	8	5.2	50	1150							5	1165	9	23.5*	9.5*	26	65	
AOTF10N65		TO-220F	Single	High Voltage	N	No	No	650	30	10	6.2	50	1000							5	1369	10	27.7*	11.3*	30	74	
AOTF11S65		TO-220F	Single	High Voltage	N	No	No	650	30	11	8	39	399							4	646	1.1	13.2*	4.3*	25	77	
AOTF12N65		TO-220F	Single	High Voltage	N	No	No	650	30	12	7.7	50	720							5	1792	11.5	39.8*	16.8	36	120	
AOTF15S65		TO-220F	Single	High Voltage	N	No	No	650	30	15	10	50	290							4	841	1.1	17.2*	5.3*	27	90	
AOTF18N65		TO-220F	Single	High Voltage	N	No	No	650	30	18	12	50	400							4.5	3027	22	56*	19.6*	54	149	
AOTF25S65		TO-220F	Single	High Voltage	N	No	No	650	30	25	16	50	190							4	1278	1.4	26.4*	9.5*	29	112	
<b>AOTF11S62</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>620</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>50</b>	<b>650</b>						<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>		
AOTF2N60		TO-220F	Single	High Voltage	N	No	No	600	30	2	1.6	31	4400							5	270	2.8	9.5	4.7	17.2	27	
AOTF4N60		TO-220F	Single	High Voltage	N	No	No	600	30	4	2.5	35	2200							5	511	4.4	15	7.6	20.2	36	
AOTF4S60		TO-220F	Single	High Voltage	N	No	No	600	30	4	3	83	900							4.1	263	0.75	6*	1.8*	18	40	
AOTF7N60		TO-220F	Single	High Voltage	N	No	No	600	30	7	4.4	38.5	1200							5	861	6.6	23.2	11.2	25	51.5	
AOTF7S60		TO-220F	Single	High Voltage	N	No	No	600	30	7	5	34	600							3.9	372	1.2	8.2*	2.8*	19	50	
AOTF8N60		TO-220F	Single	High Voltage	N	No	No	600	30	8	5	60	900							5	1140	7.8	28.4	13.4	30	69	
AOTF10N60		TO-220F	Single	High Voltage	N	No	No	600	30	10	6.4	60	750							5	1320	9.3	31.1	14.4	28	76	
<b>AOTF11N60</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>50</b>	<b>650</b>						<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>		

\* Q<sub>g</sub> measured with V<sub>gs</sub> = 10V. In all other cases V<sub>gs</sub> = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AOTF11S60	TO-220F	Single	High Voltage	N	No	No		600	30	11*	8*	38		399						4.1	545	1.42	11*	3.8*	20	59	
AOTF12N60	TO-220F	Single	High Voltage	N	No	No		600	30	12	8.1	60		550					5	1751	13	40.5	17.9	39	122		
AOTF12N60FD	TO-220F	Single	High Voltage	N	No	No		600	30	12	8	50		650				4	1659	15.8	41*	19*	34	120			
AOTF15S60L	TO-220F	Single	High Voltage	N	No	No		600	30	15	10	27.8		290				3.8	717	1.3	15.6*	6*	24.5	84			
AOTF20N60	TO-220F	Single	High Voltage	N	No	No		600	30	20	12	50		370				4.5	3061	22.8	61*	24*	57	128			
AOTF20S60	TO-220F	Single	High Voltage	N	No	No		600	30	20*	14*	50		199				4.1	1038	2.1	19.8*	7.6*	27.5	87.5			
AOTF27S60	TO-220F	Single	High Voltage	N	No	No		600	30	27	17	50		160				4	1294	2.3	26*	8.8*	31	99			
AOTF42S60	TO-220F	Single	High Voltage	N	No	No		600	30	39	25	50		99				3.8	2154	2.7	40*	11.9*	38.5	136			
AOTF42S60L	TO-220F	Single	High Voltage	N	No	No		600	30	39	25	37.9		99				3.8	2154	2.7	40*	11.9*	38.5	136			
AOTF3N50	TO-220F	Single	High Voltage	N	No	No		500	30	3	1.9	31		3000				4.7	276	2.6	6.7	2.7	11	20.5			
AOTF5N50	TO-220F	Single	High Voltage	N	No	No		500	30	5	3.3	35		1500				4.7	517	4.9	15.5	7.2	14.5	34.5			
AOTF8N50	TO-220F	Single	High Voltage	N	No	No		500	30	8	5.6	38.5		850				4.6	868	7.8	23.6	10.6	19.5	51.5			
AOTF9N50	TO-220F	Single	High Voltage	N	No	No		500	30	9	6	38.5		850				4.6	868	7.8	23.6*	10.6*	19.5	51.5			
AOTF12N50	TO-220F	Single	High Voltage	N	No	No		500	30	12	7.6	50		520				4.5	1361	12.6	29.1	20.1	29	82			
AOTF13N50	TO-220F	Single	High Voltage	N	No	No		500	30	13	8.5	50		510				4.5	1361	12.6	30.7*	13*	29	82			
AOTF14N50	TO-220F	Single	High Voltage	N	No	No		500	30	14	11	50		380				4.5	1914	16	44	29	44	92			
AOTF14N50FD	TO-220F	Single	High Voltage	N	No	No		500	30	14	9.6	50		470				4	1654	14.5	38.8*	17.5*	32	104			
AOTF16N50	TO-220F	Single	High Voltage	N	No	No		500	30	16	11	50		370				4.5	1914	16	42.8*	20.3*	44	92			
AOTF22N50	TO-220F	Single	High Voltage	N	No	No		500	30	22	15	50		260				4.5	3086	24	69*	24*	60	124			
<b>AOTF29S50</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>29</b>	<b>18</b>	<b>50</b>		<b>150</b>				<b>3.9</b>	<b>1312</b>	<b>2.5</b>	<b>26.6*</b>	<b>9.2*</b>	<b>28</b>	<b>103</b>			
<b>AOTF20N40</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>400</b>	<b>30</b>	<b>20</b>	<b>13</b>	<b>50</b>		<b>250</b>				<b>4.3</b>	<b>1898</b>	<b>15</b>	<b>37*</b>	<b>12*</b>	<b>44</b>	<b>96</b>			
AOTF12N30	TO-220F	Single	High Voltage	N	No	No		300	30	11.5	7.3	36		420				4.5	632	7	12.8*	4.3*	18	36			
AOTF450L	TO-220FL	Single	General Purpose	N	No	No		200	30	5.8	4.1	27		700				4.5	194	3.3	3.6	0.6	11	13			
AOTF454L	TO-220FL	Single	General Purpose	N	No	No		150	20	13	8	41	16	94				4	820	22	15	4.4	10.5	14.5			
AOTF404	TO-220FL	Single	General Purpose	N	No	No		105	25	40	28	100	50	28				4	2038	85	38.5*	13.4	12.7	31.5			
AOTF298L	TO-220F	Single	General Purpose	N	No	No		100	20	33	26	33	16	14.5				4.1	1250	25	19*	6*	7.5	15			
AOTF2918L	TO-220F	Single	General Purpose	N	No	No		100	20	58	45	41	20	7				3.9	2580	37	38*	12	17	30			
AOTF4126	TO-220F	Single	General Purpose	N	No	No		100	25	27	19	42	21	34	30			4	1770	55	28*	10*	12	17			
AOTF472	TO-220FL	Single	General Purpose	N	No	No		75	20	53	37.5	57.5	29	8.9				3.9	3753	54	96*	13	18	57			
AOTF474	TO-220FL	Single	General Purpose	N	No	No		75	20	47	33	57.5	29	11.3				4	2805	36	49.6	14	15	42			
<b>AOTF266L</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>20</b>	<b>78</b>	<b>55</b>	<b>45.5</b>	<b>22.5</b>	<b>3.5</b>	<b>4*</b>			<b>3.2</b>	<b>5650</b>	<b>20</b>	<b>65*</b>	<b>7*</b>	<b>21</b>	<b>36</b>			
<b>AOTF2606L</b>	<b>NEW</b>	<b>TO-220F</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>30</b>	<b>54</b>	<b>38</b>	<b>36.5</b>	<b>18</b>	<b>6.5</b>				<b>3.5</b>	<b>4050</b>	<b>16.8</b>	<b>22</b>	<b>5</b>	<b>18</b>	<b>33</b>			
AOTF240L	TO-220F	Single	General Purpose	N	No	No		40	20	85	60	41	20	2.9	3.7			3.2	3510	68	22	7	11	38			
AOTF4185	TO-220FL	Single	General Purpose	P	No	No		-40	20	-34	-27	33	16	16	20			-2.5	2550	190	18.6	8.6	9.4	55			
AOTF409	TO-220FL	Single	General Purpose	P	No	No		-60	20	-24	-17	43	21	40	54			-2.4	2461	120	19.7	8.9	12	38			
<b>TO-247</b>																											
AOK18N65	TO-247	Single	High Voltage	N	No	No		650	30	18	12	417		390				4.5	3027	22	56*	19.6*	54	149			
AOK20N60	TO-247	Single	High Voltage	N	No	No		600	30	20	12	417		370				4.5	3061	22.8	61*	24*	57	128			
AOK20S60	TO-247	Single	High Voltage	N	No	No		600	30	20*	14*	266		199				4.1	1038	2.1	19.8*	7.6*	27.5	87.5			
AOK27S60	TO-247	Single	High Voltage	N	No	No		600	30	27	17	357		160				4	1294	2.3	26*	8.8*	31	99			
AOK42S60	TO-247	Single	High Voltage	N	No	No		600	30	39	25	417		99				3.8	2154	2.7	40*	11.9*	38.5	136			
AOK22N50	TO-247	Single	High Voltage	N	No	No		500	30	22	15	417		260				4.5	3086	24	69*	24*	60	124			
<b>AOK29S50</b>	<b>NEW</b>	<b>TO-247</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>29</b>	<b>18</b>	<b>357</b>		<b>150</b>				<b>3.9</b>	<b>1312</b>	<b>2.5</b>	<b>26.6*</b>	<b>9.2*</b>	<b>28</b>	<b>103</b>			
<b>AOK40N30</b>	<b>NEW</b>	<b>TO-247</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>300</b>	<b>30</b>	<b>40</b>	<b>25</b>	<b>357</b>		<b>85</b>				<b>4.1</b>	<b>2718</b>	<b>31</b>	<b>60*</b>	<b>21*</b>	<b>54</b>	<b>152</b>			
<b>AOK60N30</b>	<b>NEW</b>	<b>TO-247</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>300</b>	<b>30</b>	<b>60</b>	<b>40</b>	<b>658</b>		<b>56</b>				<b>4.1</b>	<b>4438</b>	<b>38</b>	<b>88*</b>	<b>28*</b>	<b>88</b>	<b>224</b>			

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
<b>TO-251</b>																										
AOU7S65	TO-251	Single	High Voltage	N	No	No		650	30	7	5	89	650							4	434	17.5	9.2*	2.7*	21	55
AOU1N60	TO-251	Single	High Voltage	N	No	No		600	30	1.3	0.8	45	9000						5	130	1.8	6.1	3.1	10	20	
AOU2N60	TO-251	Single	High Voltage	N	No	No		600	30	2	1.4	56.8	4400						5	270	2.8	9.5	4.7	17.2	27	
AOU3N60	TO-251	Single	High Voltage	N	No	No		600	30	2.5	1.6	56.8	3500						5	304	3.3	9.9	4.6	17	24	
<b>AOU4N60</b>	<b>NEW</b>	<b>TO-251</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>4</b>	<b>2.6</b>	<b>104</b>	<b>2300</b>						<b>4.5</b>	<b>528</b>	<b>4.8</b>	<b>12*</b>	<b>1.8*</b>	<b>18</b>	<b>34</b>	
AOU4S60	TO-251	Single	High Voltage	N	No	No		600	30	4	3	56.8	900						4.1	263	0.75	6*	1.8*	18	40	
AOU7S60	TO-251	Single	High Voltage	N	No	No		600	30	7	5	83	600						3.9	372	1.2	8.2*	2.8*	19	50	
AOU3N50	TO-251	Single	High Voltage	N	No	No		500	30	2.8	1.8	57	3000						4.5	276	2.6	6.7*	2.7*	11	20.5	
AOU4144	TO-251	Single	SMPS High Side	N	No	No		30	20	55	43	50	25	8	14				2.4	1190	130	11	6	7	22	
AOU452A	TO-251	Single	SMPS High Side	N	No	No		25	20	55	43	50	25	8	14				2.5	1180	175	11	6.4	6.8	21.5	
<b>TO-251A</b>																										
<b>AOI7N65</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>650</b>	<b>30</b>	<b>7</b>	<b>4.3</b>	<b>178</b>	<b>1560</b>						<b>4.5</b>	<b>982</b>	<b>7</b>	<b>19.6*</b>	<b>8.2*</b>	<b>26</b>	<b>53</b>	
AOI1N60	TO-251A	Single	High Voltage	N	No	No		600	30	1.3	0.8	45	9000						5	130	1.8	6.1	3.1	10	20	
AOI4N60	TO-251A	Single	High Voltage	N	No	No		600	30	4	2.6	104	0.83	2300					4.5	528	4.8	12*	4.4*	17	34	
AOI4S60	TO-251A	Single	High Voltage	N	No	No		600	30	4	3	56.8	900						4.1	263	0.75	6*	1.8*	18	40	
<b>AOI7N60</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>7</b>	<b>4.5</b>	<b>187</b>	<b>1300</b>						<b>4.5</b>	<b>975</b>	<b>7.3</b>	<b>19.3*</b>	<b>6.9*</b>	<b>25</b>	<b>58</b>	
AOI11S60	TO-251A	Single	High Voltage	N	No	No		600	30	11	8.5	208	399						4.1	545	1.42	11*	3.8*	20	59	
<b>AOI9N50</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>9</b>	<b>5.7</b>	<b>187</b>	<b>800</b>						<b>4.5</b>	<b>630</b>	<b>5.7</b>	<b>13.1*</b>	<b>4.8*</b>	<b>17</b>	<b>25</b>	
<b>AOI5N40</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>400</b>	<b>30</b>	<b>4.2</b>	<b>2.8</b>	<b>78</b>	<b>1600</b>						<b>4.5</b>	<b>331</b>	<b>3</b>	<b>6.9*</b>	<b>2.3*</b>	<b>16.5</b>	<b>24</b>	
AOI468	TO-251A	Single	General Purpose	N	No	No		300	30	11.5	8.3	150	1	420					4.5	632	7	12.8*	4.3*	18	36	
<b>AOI8N25</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>250</b>	<b>30</b>	<b>8</b>	<b>5</b>	<b>78</b>	<b>560</b>						<b>4.3</b>	<b>306</b>	<b>3.2</b>	<b>6*</b>	<b>1.5*</b>	<b>14</b>	<b>23</b>	
AOI478	TO-251A	Single	General Purpose	N	No	No		100	20	11	8	45	23	140	152				2.8	445	16	5.1	2.4	8	17	
AOI482	TO-251A	Single	General Purpose	N	No	No		100	20	32	22	100	50	37	42				2.7	1630	50	18	9	7	29	
AOI4126	TO-251A	Single	General Purpose	N	No	No		100	25	43	30	100	50	24	30*				4	1770	55	28*	10	12	17	
AOI442	TO-251A	Single	General Purpose	N	No	No		60	20	37	26	60	30	20	25				2.7	1920	116	24.2	14.4	7.4	28.2	
AOI444	TO-251A	Single	General Purpose	N	No	No		60	20	12	9	20	10	60	85				3	450	27	3.8	1.9	4.2	16	
AOI4130	TO-251A	Single	General Purpose	N	No	No		60	20	30	20	52	25	24	30				2.8	1582	67	13.4	7.2	7.5	33	
AOI4184	TO-251A	Single	Load Switch	N	No	No		40	20	50	40	50	20	8	11				3	1500	135	27.2	6.4	6.4	29.6	
AOI208	TO-251A	Single	SMPS	N	No	No		30	20	54	42	62	31	4.4	6.5				2.3	1840	60	13	4.2	6.5	21	
AOI418	TO-251A	Single	SMPS High Side	N	No	No		30	20	36	28	50	25	8	11.5				2.5	1150	105	9.5	5	6.5	17	
<b>AOI508</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>70</b>	<b>55</b>	<b>50</b>	<b>25</b>	<b>3</b>	<b>4.5</b>				<b>2.2</b>	<b>2010</b>	<b>124</b>	<b>17</b>	<b>8</b>	<b>7.5</b>	<b>37</b>	
<b>AOI510</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>70</b>	<b>54</b>	<b>60</b>	<b>30</b>	<b>2.6</b>	<b>4</b>				<b>2.2</b>	<b>2719</b>	<b>169</b>	<b>21</b>	<b>7</b>	<b>9.7</b>	<b>32.5</b>	
<b>AOI514</b>	<b>NEW</b>	<b>TO-251A</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>54</b>	<b>42</b>	<b>50</b>	<b>25</b>	<b>6.5</b>	<b>12</b>				<b>2.6</b>	<b>951</b>	<b>62</b>	<b>7.5</b>	<b>3.2</b>	<b>6.25</b>	<b>18.5</b>	
AOI516	TO-251A	Single	General Purpose	N	No	No		30	20	54	42	50	25	5	8				2.2	1229	83	24	4	7	24	
AOI518	TO-251A	Single	General Purpose	N	No	No		30	20	54	42	50	25	8	12				2.6	951	62	7.5	3.2	6.25	18.5	
AOI4102	TO-251A	Single	SMPS	N	No	No		30	20	19	13	21	10	37	64				3	360	30	3.2	2.2	4.3	12.8	
AOI4146	TO-251A	Single	SMPS Low Side	N	No	No		30	20	55	43	62	31	5.6	9.5				3	2037	220	16	4.6	8.8	23	
AOI472A	TO-251A	Single	SMPS Low Side	N	No	No		25	20	50	39	50	25	5.2	9.5				2.5	1800	285	15	8.9	8	29	
AOI403	TO-251A	Single	Load Switch	P	No	No		-30	25	-70	-55	90	45	8.5					-3.5	2890	470	51*	16*	16	45	
AOI4185	TO-251A	Single	General Purpose	P	No	No		-40	20	-40	-31	62.5	31	15	20				-3	2550	190	18.6	8.6	9.4	55	
AOI409	TO-251A	Single	General Purpose	P	No	No		-60	20	-26	-18	60	30	40	55				-2.4	2977	153	22.2	10	12	38	
<b>TO-252</b>																										
<b>AOD7N65</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>650</b>	<b>30</b>	<b>7</b>	<b>4.3</b>	<b>178</b>	<b>1560</b>						<b>4.5</b>	<b>982</b>	<b>7</b>	<b>19.6*</b>	<b>8.2*</b>	<b>26</b>	<b>53</b>	
AOD7S65	TO-252	Single	High Voltage	N	No	No		650	30	7	5	89	650						4	434	17.5	9.2*	2.7*	21	55	
AOD1N60	TO-252	Single	High Voltage	N	No	No		600	30	1.3	0.8	45	9000						5	130	1.8	6.1	3.1	10	20	
AOD2N60	TO-252	Single	High Voltage	N	No	No		600	30	2	1.4	56.8	4400						5	270	2.8	9.5	4.7	17.2	27	
AOD3N60	TO-252	Single	High Voltage	N	No	No		600	30	2.5	1.6	56.8	3500						5	304	3.3	9.9	4.6	17	24	

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AOD4N60	TO-252	Single	High Voltage	N	No	No		600	30	4	2.6	104		2300						4.5	528	4.8	12*	4.4*	17	34
AOD4S60	TO-252	Single	High Voltage	N	No	No		600	30	4	3	56.8		900						4.1	263	0.75	6*	1.8*	18	40
<b>AOD7N60</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>7</b>	<b>4.5</b>	<b>178</b>		<b>1300</b>					<b>4.5</b>	<b>975</b>	<b>7.3</b>	<b>19.3*</b>	<b>6.9*</b>	<b>25</b>	<b>58</b>	
AOD7S60	TO-252	Single	High Voltage	N	No	No		600	30	7	5	83		600						3.9	372	1.2	8.2*	2.8*	19	50
AOD11S60	TO-252	Single	High Voltage	N	No	No		600	30	11	8.5	208		399						4.1	545	1.42	11*	3.8*	20	59
<b>AOD9N52</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>520</b>	<b>30</b>	<b>9</b>	<b>5.7</b>	<b>178</b>		<b>860</b>					<b>4.5</b>	<b>962</b>	<b>8</b>	<b>19.5*</b>	<b>7.1*</b>	<b>24</b>	<b>55</b>	
AOD3N50	TO-252	Single	High Voltage	N	No	No		500	30	2.8	1.8	57		3000						4.7	276	2.6	6.7	2.7	11	20.5
AOD5N50	TO-252	Single	High Voltage	N	No	No		500	30	5	3.1	104		1600						4.5	538	4.5	11.5*	4.1*	18	34
<b>AOD6N50</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>5.3</b>	<b>3.3</b>	<b>104</b>		<b>1400</b>					<b>4.5</b>	<b>538</b>	<b>4.5</b>	<b>11.5*</b>	<b>4.1*</b>	<b>18</b>	<b>34</b>	
<b>AOD9N50</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>9</b>	<b>5.7</b>	<b>178</b>		<b>800</b>					<b>4.5</b>	<b>630</b>	<b>5.7</b>	<b>13.1*</b>	<b>4.8*</b>	<b>17</b>	<b>25</b>	
AOD3N40	TO-252	Single	High Voltage	N	No	No		400	30	2.6	1.6	50		3100						4.5	186	2.1	4.2*	1*	14	18
AOD5N40	TO-252	Single	High Voltage	N	No	No		400	30	4.2	2.8	78		1600						4.5	331	3	6.9*	2.3*	16.5	24
AOD9N40	TO-252	Single	General Purpose	N	No	No		400	30	8	5	125	1	800						4.5	962	8	19.5*	7.1*	24	55
AOD468	TO-252	Single	General Purpose	N	No	No		300	30	11.5	8.3	150	1	420						4.5	632	7	12.8*	4.3*	18	36
AOD458	TO-252	Single	General Purpose	N	No	No		250	30	14	10	150		280						4.5	637	7.1	12	4.6	21	29
AOD8N25	TO-252	Single	High Voltage	N	No	No		250	30	8	5	78		560						4.3	306	3.2	6*	1.5*	14	23
AOD450	TO-252	Single	Inverter	N	No	No		200	30	3.8	2.7	25	12.5	700						6	215	7.2	3.82*	1.47	6.3	10.5
AOD254	TO-252	Single	General Purpose	N	No	No		150	20	28	20	100	50	46	53					2.7	2150	4	12	3	9	29
AOD4454	TO-252	Single	General Purpose	N	No	No		150	20	20	14	100	50	94	110*					4.6	820	22	15*	4.4	10.5	14.5
AOD464	TO-252	Single	General Purpose	N	No	No		105	25	40	28	100	50	28						4	2038	85	38.5*	10	12.7	31.5
AOD478	TO-252	Single	General Purpose	N	No	No		100	20	11	8	45	23	140	152					2.8	445	16	5.1	2.4	8	17
AOD482	TO-252	Single	General Purpose	N	No	No		100	20	32	22	100	50	37	42					2.7	1630	50	18	9	7	29
<b>AOD2908</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>100</b>	<b>20</b>	<b>52</b>	<b>36</b>	<b>75</b>	<b>37</b>	<b>13.5</b>					<b>4.1</b>	<b>1250</b>	<b>25</b>	<b>19*</b>	<b>6*</b>	<b>7.5</b>	<b>15</b>	
AOD4124	TO-252	Single	SMPS	N	No	No		100	25	54	38	150	75	21	25*					4	2006	58	31*	11*	14	21
AOD4126	TO-252	Single	General Purpose	N	No	No		100	25	43	30	100	50	24	30*					4	1770	55	28*	10	12	17
AOD4180	TO-252	Single	General Purpose	N	No	No		80	25	54	42	150	50	14	18*					4	2003	77	31.2*	11.4*	14	22
AOD4182	TO-252	Single	General Purpose	N	No	No		80	25	53	38	100	50	15.5	20*					4.2	1670	72	28*	8	12	20
AOD446	TO-252	Single	General Purpose	N	No	No		75	25	10	10	20	10	140	165					3	293	20	5.2*	1.34	4.6	14.7
<b>AOD474</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>75</b>	<b>20</b>	<b>10</b>	<b>7</b>	<b>28.5</b>	<b>14.5</b>	<b>130</b>	<b>155</b>				<b>2.4</b>	<b>280</b>	<b>13</b>	<b>3</b>	<b>1.5</b>	<b>5</b>	<b>16</b>	
AOD442	TO-252	Single	General Purpose	N	No	No		60	20	38	27	60	30	20	25					3	1920	116	24.2	14.4	7.4	28.2
AOD444	TO-252	Single	General Purpose	N	No	No		60	20	12	9	20	10	60	85					3	450	27	3.8	1.9	4.2	16
AOD2610	TO-252	Single	General Purpose	N	No	No		60	20	46	36	71.5	35.5	10.7	13.5					2.5	2007	12.5	8.5	2.2	8.5	27
AOD4130	TO-252	Single	General Purpose	N	No	No		60	20	30	20	52	25	24	30					2.8	1582	67	13.4	7.2	7.5	33
AOD240	TO-252	Single	SMPS	N	No	No		40	20	70	55	150	75	3	3.9					2.2	3510	68	22	7	11	38
<b>AOD242</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>40</b>	<b>20</b>	<b>54</b>	<b>42</b>	<b>53.5</b>	<b>26.5</b>	<b>5.8</b>	<b>8.2</b>				<b>2.3</b>	<b>1350</b>	<b>26</b>	<b>8</b>	<b>2.3</b>	<b>6</b>	<b>23</b>	
AOD454A	TO-252	Single	General Purpose	N	No	No		40	20	20	15	37	18	30	40					3	516	43	8.3	1.6	6.4	16.2
AOD4184	TO-252	Single	Inverter	N	No	No		40	20	50	40	50	20	8	11					3	1500	135	13.6	6.4	6.4	29.6
AOD4184A	TO-252	Single	Inverter	N	No	No		40	20	50	40	50	25	7	9.5					2.6	1500	135	14	6	6	30
AOD4186	TO-252	Single	Inverter	N	No	No		40	20	35	27	50	25	15	19					2.7	980	80	9	4.5	6	26
AOD200	TO-252	Single	SMPS	N	No	No		30	20	36	28	50	25	7.8	11					2.4	1084	24	5.3	1.2	6.7	15.5
AOD208	TO-252	Single	SMPS	N	No	No		30	20	54	42	62	31	4.4	6.5					2.3	1840	60	13	4.2	6.5	21
AOD210	TO-252	Single	SMPS	N	No	No		30	20	70	55	150	75	3	3.9					2.2	3520	90	22	7	11	38
AOD418	TO-252	Single	SMPS High Side	N	No	No		30	20	36	28	50	25	7.5	11					2.5	1150	105	9.5	5	6.5	17
AOD480	TO-252	Single	General Purpose	N	No	No		30	20	25	18	21	11	23	33					2.6	373	41	3.5	1.6	4.3	15.8
<b>AOD484</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>SMPS</b>	<b>N</b>	<b>Yes</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>25</b>	<b>20</b>	<b>50</b>	<b>25</b>	<b>15</b>	<b>23</b>				<b>2.5</b>	<b>938</b>	<b>99</b>	<b>8.4</b>	<b>4.1</b>	<b>5</b>	<b>19</b>	
AOD490	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	40	40	63	31	6.8	8.3					2.4	4000	217	27	11	9	37
AOD492	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	79	100	50	4.4	6.2					2.2	3760	314	29	12	9.5	34
AOD496A	TO-252	Single	General Purpose	N	No	No		30	20	57	40	50	25	10	15.8					2.2	770	77	7.1	3.1	5	18

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AOD508	TO-252	Single	General Purpose	N	No	No		30	20	70	55	50	25	3	4.5						2.2	2010	124	17	8	7.5	37
<b>AOD510</b>	<b>NEW</b>	<b>TO-252</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>30</b>	<b>20</b>	<b>70</b>	<b>54</b>	<b>60</b>	<b>30</b>	<b>2.6</b>	<b>4</b>					<b>2.2</b>	<b>2719</b>	<b>169</b>	<b>21</b>	<b>7</b>	<b>9.7</b>	<b>32.5</b>	
AOD514	TO-252	Single	General Purpose	N	No	No		30	20	54	42	50	25	6.5	12					2.6	951	62	7.5	3.2	6.25	18.5	
AOD516	TO-252	Single	General Purpose	N	No	No		30	20	54	42	50	25	5	8					2.2	1229	83	24	4	7	24	
AOD518	TO-252	Single	General Purpose	N	No	No		30	20	54	42	50	25	8	12					2.6	951	62	7.5	3.2	6.25	18.5	
AOD4102	TO-252	Single	SMPS	N	No	No		30	20	12	12	21	10	37	64					3	360	30	3.2	2.2	4.3	12.8	
AOD4110	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	40	40	63	31	7.2	10.5					2	2154	185	17.8	7.6	6.8	25.2	
AOD4112	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	20	20	50	25	9.5	14.5					2.5	1620	162	12	5.6	6.3	21.6	
AOD4132	TO-252	Single	SMPS Low Side	N	No	No		30	20	85	63	100	50	4	6					3	3700	390	33	17.6	12	40	
AOD4146	TO-252	Single	SMPS Low Side	N	No	No		30	20	55	43	62	31	5.6	9.5					3	2037	220	16	4.6	8.8	23	
AOD4156	TO-252	Single	SMPS Low Side	N	No	No		30	20	55	43	62	31	5.6	9.5					3	2037	220	16	4.6	8.8	23	
AOD456	TO-252	Single	SMPS Low Side	N	No	No		25	20	50	50	50	25	6	10					3	1850	275	15.7	8.2	7.5	30	
AOD472A	TO-252	Single	SMPS Low Side	N	No	No		25	20	55	43	53.5	26.5	5.5	9.5					2.5	1800	285	15	8.9	8	29	
AOD4100	TO-252	Single	SMPS High Side	N	No	No		25	30	50	29	50	25	12					4	1100	200	17*	6.8	9.5	11.5		
AOD4104	TO-252	Single	SMPS Low Side	N	No	No		25	30	75	75	100	50	5.4					4	2100	400	40*	14	12	15		
AOD4106	TO-252	Single	SMPS Low Side	N	No	No		25	30	50	50	75	38	8.1					4	1561	323	22.5*	10	12	17		
AOD4128	TO-252	Single	General Purpose	N	No	No		25	20	60	47	75	37	4	7					2.5	3578	438	29.8	12.9	11.6	45	
AOD4136	TO-252	Single	Load Switch	N	No	No		25	20	25	25	2.1	1.3	11	19					2.5	734	97	12.9	4	6	19.6	
AOD422	TO-252	Single	General Purpose	N	No	No		20	8	20	10	50	20		25	28	34		1	1160	146	16	3.8	6.2	51.7		
AOD424	TO-252	Single	General Purpose	N	No	No		20	12	45	35	100	50	4.4	5.7					1.6	3860	580	36	12	7	70	
AOD476	TO-252	Single	SMPS	N	No	No		20	16	25	20	33.3	16.7	21	28	79			2	900	105	7.2	2.8	4.5	18.7		
AOD4120	TO-252	Single	SMPS	N	No	No		20	16	25	23	33.3	16.7	18	25	75			2	900	105	7.2	2.8	4.5	18.7		
AOD421	TO-252	Single	General Purpose	P	No	No		-20	12	-12.5	-8.9	18.8	9.4	75	95	145			-1.4	512	62	4.6	2.1	5.2	17		
AOD403	TO-252	Single	Load Switch	P	No	No		-30	25	-70	-55	90	45	8					-3.5	2890	470	51*	16*	16	45		
AOD417	TO-252	Single	Inverter	P	No	No		-30	20	-25	-20	50	25	34	55				-3	920	90	8.2	3.6	8	22		
AOD425	TO-252	Single	General Purpose	P	No	No		-30	25	-50	-30	50	25	17					-3.5	1760	255	11	8	11.5	35		
AOD413	TO-252	Single	General Purpose	P	No	No		-40	20	-24	-18	50	25	45	69				-3	657	63	7	4.1	8	24		
AOD413A	TO-252	Single	General Purpose	P	No	No		-40	20	-12	-12	50	25	44	66				-3	900	68	7.2	3.5	6.2	44.8		
AOD4185	TO-252	Single	General Purpose	P	No	No		-40	20	-40	-31	62.5	31	15	20				-3	2550	190	18.6	8.6	9.4	55		
AOD4187L	TO-252	Single	Inverter	P	No	No		-40	20	-45	-30	60	30	17	23				-3	2350	185	20	9.7	9.6	56		
AOD4189	TO-252	Single	Inverter	P	No	No		-40	20	-40	-28	62.5	31	22	29				-3	1870	155	7.9	6.2	10	38		
AOD4191L	TO-252	Single	Inverter	P	No	No		-40	20	-34	-24	60	30	25	34				-3	1440	125	14	6.7	9.6	38		
AOD407	TO-252	Single	General Purpose	P	No	No		-60	20	-12	-10	50	25	115	150				-3	987	46	7.4	3.5	9	25		
AOD409	TO-252	Single	General Purpose	P	No	No		-60	20	-26	-18	60	30	40	55				-2.4	2977	153	22.2	10	12	38		
AOD603A	TO-252	Complementary	Inverter	N	No	No		60	20	12	9.5	27	13.5	60	85				3	450	27	3.8	1.9	4.2	16		
AOD603A	TO-252	Complementary	Inverter	P	No	No		-60	20	-12	-9.5	42.5	21.5	115	150				-3	960	38	7.4	3.5	9	25		
AOD609	TO-252	Complementary	Inverter	N	No	No		40	20	12	12	27	14	30	40				3	516	43	8.3	1.6	6.4	16.2		
AOD609	TO-252	Complementary	Inverter	P	No	No		-40	20	-12	-12	30	15	45	66				-3	900	68	7.2	3.5	6.2	44.8		
AOD607	TO-252	Complementary	Inverter	N	No	No		30	20	12	9.4	25	12.5	25	34				2.5	1040	110	9.8	3.5	4.5	17.4		
AOD607	TO-252	Complementary	Inverter	P	No	No		-30	20	-12	-9.4	25	12.5	37	62				-2.4	920	122	9.7	5.4	9	20		
<b>TO-262</b>																											
AOW7S65	TO-262	Single	High Voltage	N	No	No		650	30	7	5	104		650						4	434	17.5	9.2*	2.7*	21	55	
AOW10N65	TO-262	Single	High Voltage	N	No	No		650	30	10	6.2	250		1000						4.5	1369	10	27.7*	11.3*	30	74	
AOW11S65	TO-262	Single	High Voltage	N	No	No		650	30	11	8	198		399						4	646	1.1	13.2*	4.3*	25	77	
AOW12N65	TO-262	Single	High Voltage	N	No	No		650	30	12	7.7	278		720						4.5	1792	11.5	39.8*	16.8*	36	120	
AOW15N65	TO-262	Single	High Voltage	N	No	No		650	30	15	10	208		290						4	841	1.1	17.2*	5.3*	27	90	
AOW25S65	TO-262	Single	High Voltage	N	No	No		650	30	25	16	357		190						4	1278	1.4	26.4*	9.5*	29	112	
AOW4S60	TO-262	Single	High Voltage	N	No	No		600	30	4	3	83		900						4.1	263	0.75	6*	1.8*	18	40	

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V								
AOW7S60	TO-262	Single	High Voltage	N	No	No		600	30	7	5	104	600							3.9	372	1.2	8.2*	2.8*	19	50	
AOW10N60	TO-262	Single	High Voltage	N	No	No		600	30	10	7.2	250	750							4.5	1320	9.3	31*	14.4*	28	76	
<b>AOW11N60</b>	<b>NEW</b>	<b>TO-262</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>272</b>	<b>700</b>						<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>		
AOW11S60	TO-262	Single	High Voltage	N	No	No		600	30	11	8	178	399							4.1	545	1.42	11*	3.8*	20	59	
AOW12N60	TO-262	Single	High Voltage	N	No	No		600	30	12	9.7	278	550							4.5	1751	13	40*	17.9*	39	122	
AOW15S60	TO-262	Single	High Voltage	N	No	No		600	30	15	10	208	290							3.8	717	1.3	15.6*	6*	24.5	84	
AOW20S60	TO-262	Single	High Voltage	N	No	No		600	30	20	14	266	199							4.1	1038	2.1	19.8*	7.6*	27.5	87.5	
AOW12N50	TO-262	Single	High Voltage	N	No	No		500	30	12	8.4	250	520							4.5	1361	12.6	30.7*	13*	29	82	
AOW14N50	TO-262	Single	High Voltage	N	No	No		500	30	14	11	278	380							4.5	1914	16	42.8*	20.3*	44	92	
<b>AOW29S50</b>	<b>NEW</b>	<b>TO-262</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>29</b>	<b>18</b>	<b>357</b>	<b>150</b>						<b>3.9</b>	<b>1312</b>	<b>2.5</b>	<b>26.6*</b>	<b>9.2*</b>	<b>28</b>	<b>103</b>		
AOW298	TO-262	Single	General Purpose	N	No	No		100	20	58	41	100	50	14.5						4.1	1250	25	19*	6*	7.5	15	
AOW410	TO-262	Single	General Purpose	N	No	No		100	25	150	108	333	167	6.5	7.5*					4	6622	215	107*	40	28	43.5	
AOW418	TO-262	Single	General Purpose	N	No	No		100	25	105	82	333	167	10	12*					3.9	4334	131	69*	22*	21	38	
AOW2918	TO-262	Single	General Purpose	N	No	No		100	20	90	70	267	133	7						3.9	2580	37	38*	12	17	30	
AOW480	TO-262	Single	General Purpose	N	No	No		80	25	180	134	333	167	4.5	5.5*					4	6520	310	116*	38*	31.5	46	
AOW482	TO-262	Single	General Purpose	N	No	No		80	25	105	82	333	167	7.2	9*					3.7	4054	160	66.8*	20.2*	26	48	
<b>TO-262F</b>																											
AOWF9N70	TO-262F	Single	High Voltage	N	No	No		700	30	9	5.8	28	1200							4.5	1357	7.4	28.5*	11.6*	35	76	
AOWF11N70	TO-262F	Single	High Voltage	N	No	No		700	30	11	7.2	28	870							4.5	1793	10.5	37.5*	15*	42	103	
AOWF7S65	TO-262F	Single	High Voltage	N	No	No		650	30	7	5	25	650							4	434	17.5	9.2*	2.7*	21	55	
<b>AOWF10N65</b>	<b>NEW</b>	<b>TO-262F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>650</b>	<b>30</b>	<b>10</b>	<b>6.2</b>	<b>28</b>	<b>1000</b>						<b>4.5</b>	<b>1369</b>	<b>10</b>	<b>27.7</b>	<b>11.3</b>	<b>30</b>	<b>74</b>		
AOWF11S65	TO-262F	Single	High Voltage	N	No	No		650	30	11	8	28	399							4	646	1.1	13.2*	4.3*	25	77	
AOWF12N65	TO-262F	Single	High Voltage	N	No	No		650	30	12*	7.7*	28	720							4.5	1792	11.5	39.8*	16.8*	36	120	
AOWF15S65	TO-262F	Single	High Voltage	N	No	No		650	30	15	10	28	290							4	841	1.1	17.2*	5.3*	27	90	
AOTF18N65	TO-262F	Single	High Voltage	N	No	No		650	30	12*	18*	50	400							4.5	3027	22	56*	19.6*	54	149	
AOWF25S65	TO-262F	Single	High Voltage	N	No	No		650	30	25	16	28	190							4	1278	1.4	26.4*	9.5*	29	112	
AOWF4N60	TO-262F	Single	High Voltage	N	No	No		600	30	4	2.6	25	2300							4.5	528	4.8	12	4.4	17	34	
AOWF4S60	TO-262F	Single	High Voltage	N	No	No		600	30	4	3	83	900							4.1	263	0.75	6*	1.8*	18*	40	
AOWF7S60	TO-262F	Single	High Voltage	N	No	No		600	30	7	5	25	600							3.9	372	1.2	8.2*	2.8*	19	50	
AOWF10N60	TO-262F	Single	High Voltage	N	No	No		600	30	10	7.2	28	750							4.5	1320	9.3	31*	14.4*	28	76	
<b>AOWF11N60</b>	<b>NEW</b>	<b>TO-262F</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>27.8</b>	<b>650</b>						<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>		
AOWF11S60	TO-262F	Single	High Voltage	N	No	No		600	30	11*	8*	28	399							4.1	545	1.42	11*	3.8*	20	59	
AOWF12N60	TO-262F	Single	High Voltage	N	No	No		600	30	12*	9.7*	28	550							4.5	1751	13	40*	17.9*	39	122	
AOWF15S60	TO-262F	Single	High Voltage	N	No	No		600	30	15	10	27.8	290							3.8	717	1.3	15.6	6	24.5	84	
AOWF20S60	TO-262F	Single	High Voltage	N	No	No		600	30	20*	14*	28	199							4.1	1038	2.1	19.8*	7.6*	27.5	87.5	
AOWF8N50	TO-262F	Single	High Voltage	N	No	No		500	30	8	6	27.8	850							4.5	868	7.8	23.6*	10.6*	19.5	51.5	
AOWF12N50	TO-262F	Single	High Voltage	N	No	No		500	30	12*	8.4*	28	520							4.5	1361	12.6	30.7*	13*	29	82	
AOWF14N50	TO-262F	Single	High Voltage	N	No	No		500	30	14*	11*	28	380							4.5	1914	16	42.8*	20.3*	44	92	
AOWF412	TO-262F	Single	General Purpose	N	No	No		100	25	30	20	33	16	15.8						3.8	2680	100	45	15	19	27	
<b>AOWF2606</b>	<b>NEW</b>	<b>TO-262F</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>30</b>	<b>51</b>	<b>36.5</b>	<b>33.3</b>	<b>16.7</b>	<b>6.5</b>					<b>3.8</b>	<b>4050</b>	<b>16.8</b>	<b>22</b>	<b>5</b>	<b>18</b>	<b>33</b>		
AOWF240L	TO-262F	Single	General Purpose	N	No	No		40	20	83	59	33.3	16.7	2.6	3.5					2.2	3510	68	22	7	11	38	
<b>TO-263</b>																											
AOB7S65	TO-263	Single	High Voltage	N	No	No		650	30	7	5	104	650							4	434	17.5	9.2*	2.7*	21	55	
AOB11S65	TO-263	Single	High Voltage	N	No	No		650	30	11	8	198	399							4	646	1.1	13.2*	4.3*	25	77	
AOB15S65	TO-263	Single	High Voltage	N	No	No		650	30	15	10	204	290							4	841	1.1	17.2*	5.3*	27	90	
AOB25S65	TO-263	Single	High Voltage	N	No	No		650	30	25	16	357	190							4	1320	1.4	26.4*	9.5*	29	112	
AOB4S60	TO-263	Single	High Voltage	N	No	No		600	30	4	3	83	900							4.1	263	0.75	6*	1.8*	18	40	
AOB7S60	TO-263	Single	High Voltage	N	No	No		600	30	7	5	104	600							3.9	372	1.2	8.2	2.8*	19	50	

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V <sub>DS</sub> (V)	V <sub>GS</sub> (±V)	I <sub>D</sub> (A)		P <sub>D</sub> (W)		R <sub>DS(ON)</sub> (mΩ max) at V <sub>GS</sub> =						VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V	1.5V	1.2V							
AOB10N60	TO-263	Single	High Voltage	N	No	No		600	30	10	7.2	250	2	750						4.5	1320	9.3	31	14.4	28	76
<b>AOB11N60</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>600</b>	<b>30</b>	<b>11</b>	<b>8</b>	<b>272</b>		<b>700</b>					<b>4.5</b>	<b>1656</b>	<b>11.2</b>	<b>30.6*</b>	<b>9.6*</b>	<b>39</b>	<b>92</b>	
AOB11S60	TO-263	Single	High Voltage	N	No	No		600	30	11	8	178	1.4	399					4.1	545	1.42	11*	3.8*	20	59	
AOB15S60	TO-263	Single	High Voltage	N	No	No		600	30	15	10	208		290					3.8	717	1.3	15.6*	6*	24.5	84	
AOB20S60	TO-263	Single	High Voltage	N	No	No		600	30	20	14	266		199					4.1	1038	2.1	19.8*	7.6*	27.5	87.5	
AOB27S60	TO-263	Single	High Voltage	N	No	No		600	30	27	17	357		160					4	1294	2.3	26*	8.8*	31	99	
AOB12N50	TO-263	Single	High Voltage	N	No	No		500	30	12	8.4	250		520					4.5	1361	12.6	30.7	13	29	82	
AOB14N50	TO-263	Single	High Voltage	N	No	No		500	30	14	11	278		380					4.5	1914	16	44	29	44	92	
<b>AOB29S50</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>High Voltage</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>500</b>	<b>30</b>	<b>29</b>	<b>18</b>	<b>357</b>		<b>150</b>				<b>3.9</b>	<b>1312</b>	<b>2.5</b>	<b>26.6*</b>	<b>9.2*</b>	<b>28</b>	<b>103</b>		
<b>AOB254L</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>150</b>	<b>20</b>	<b>32</b>	<b>22.6</b>	<b>125</b>	<b>62.5</b>	<b>46</b>	<b>53</b>			<b>2.7</b>	<b>2150</b>	<b>4</b>	<b>12</b>	<b>3</b>	<b>9</b>	<b>29</b>		
AOB290L	TO-263	Single	General Purpose	N	No	No		100	20	140	440	500	250	3.2					4.1	7180	42	90*	21	31	45	
AOB298L	TO-263	Single	General Purpose	N	No	No		100	20	58	41	100	50	14.5					4.1	1250	25	19*	6*	7.5	15	
AOB410L	TO-263	Single	General Purpose	N	No	No		100	25	150	108	333	167	6.2	7.2*				4	6622	215	107*	40	28	43.5	
AOB412L	TO-263	Single	General Purpose	N	No	No		100	25	60	44	150	75	15.5	19.1*				3.8	2680	100	45*	15	19	27	
AOB414	TO-263	Single	General Purpose	N	No	No		100	25	51	36	150	75	25	31*				4	1770	55	28*	10	12	17	
AOB416	TO-263	Single	General Purpose	N	No	No		100	25	45	32	150	75	36	43				4	1180	36	20*	6.3	10	15	
AOB418L	TO-263	Single	General Purpose	N	No	No		100	25	105	82	333	167	9.7	11.7*				3.9	4334	131	69*	22*	21	38	
AOB1100L	TO-263	Single	High Voltage	N	No	No		100	20	130	92	500	250	11.7					3.8	4833	35	82*	19*	21	50	
AOB2918L	TO-263	Single	General Purpose	N	No	No		100	20	90	70	267	133	7					3.9	2580	37	38*	12	17	30	
AOB480L	TO-263	Single	SMPS	N	No	No		80	25	180	134	333	167	4.2	5.2*				4	6520	310	116*	38	31.5	46	
AOB482L	TO-263	Single	General Purpose	N	No	No		80	25	105	82	333	167	6.9	8.7*				3.7	4054	160	66.8*	20.2*	26	48	
<b>AOB270L</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>75</b>	<b>20</b>	<b>140</b>	<b>110</b>	<b>500</b>	<b>250</b>	<b>2.3</b>	<b>2.8*</b>			<b>3</b>	<b>10350</b>	<b>90</b>	<b>153*</b>	<b>35*</b>	<b>30</b>	<b>80</b>		
AOB470L	TO-263	Single	General Purpose	N	No	No		75	25	100	78	268	134	10.2					4	4700	180	114*	18	21	70	
AOB260L	TO-263	Single	General Purpose	N	No	No		60	20	140	110	330	165	2.2	2.5*				3.2	11800	40	150*	15	30	74	
AOB262L	TO-263	Single	General Purpose	N	No	No		60	20	140	110	333	167	2.8	3*				3.2	8140	32	95*	5*	27	47	
AOB264L	TO-263	Single	General Purpose	N	No	No		60	20	140	110	333	167	3	3.3				3.2	6960	30	78*	5*	23	45	
AOB266L	TO-263	Single	General Purpose	N	No	No		60	20	140	110	268	134	3.2	3.8*				3.2	5650	20	65*	7*	21	36	
AOB440	TO-263	Single	SMPS	N	No	No		60	20	55	55	150	75	7.5					4	3800	190	33	19	18	44	
AOB462L	TO-263	Single	General Purpose	N	No	No		60	20	35	27	100	50	18					4	1840	80	27.8	6.6	12	38	
AOB466L	TO-263	Single	General Purpose	N	No	No		60	25	180	140	333	167	3.6					5	5607	485	108*	46*	31	41	
AOB1606L	TO-263	Single	Rugged Planar	N	No	No		60	20	178	126	417	208	6					3.7	3735	69	85	24	18	60	
AOB1608L	TO-263	Single	Rugged Planar	N	No	No		60	20	140	100	333	166	7.3					3.7	3069	56	69	21	18	47	
<b>AOB2606L</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>General Purpose</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>30</b>	<b>72</b>	<b>56</b>	<b>115</b>	<b>57.5</b>	<b>6.2</b>				<b>3.5</b>	<b>4050</b>	<b>16.8</b>	<b>22</b>	<b>5</b>	<b>18</b>	<b>33</b>		
<b>AOB2608L</b>	<b>NEW</b>	<b>TO-263</b>	<b>Single</b>	<b>Rugged Planar</b>	<b>N</b>	<b>No</b>	<b>No</b>	<b>60</b>	<b>20</b>	<b>72</b>	<b>54</b>	<b>100</b>	<b>50</b>	<b>7.6</b>				<b>3.6</b>	<b>2995</b>	<b>10.5</b>	<b>38.5*</b>	<b>3.5*</b>	<b>15</b>	<b>25</b>		
AOB240L	TO-263	Single	General Purpose	N	No	No		40	20	105	82	176	88	2.6	3.5				2.2	3510	68	22	7	11	38	
AOB442	TO-263	Single	SMPS	N	No	No		40	20	105	82	150	75	4.2	5.3				2.3	4666	269	36	17	15	52	
AOB1404L	TO-263	Single	Rugged Planar	N	No	No		40	20	220	157	417	208	3.9					3.7	3568	151	71	23	16	54	
AOB4184	TO-263	Single	Load Switch	N	No	No		40	20	50	24	50	25	10	13				3	1500	135	13.6	6.4	6.4	29.6	
AOB210L	TO-263	Single	General Purpose	N	No	No		30	20	105	72	176	88	2.6	3.5				2.2	3520	90	22	7	11	38	
AOB409L	TO-263	Single	General Purpose	P	No	No		-60	20	-31.5	-22	83.3	41.6	38	50				-2.4	2461	120	19.7	8.9	12	38	
AOB411L	TO-263	Single	General Purpose	P	No	No		-60	20	-78	-55	187	93	40	18				-2.5	5330	234	40	18	17.5	83.5	

\* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.



## PACKAGE TYPES

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DFN 1.0x0.6



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DFN 2x2 Dual



DFN 2x5



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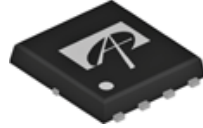
DFN 3x3



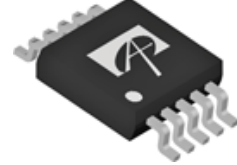
DFN 3.3x3.3



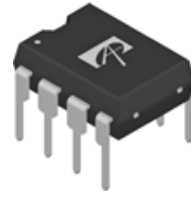
DFN 5x4



DFN 5x6



MSOP-10



PDIP-8



QFN 2.1x1.6



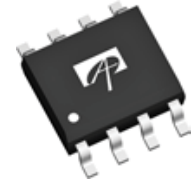
SC-70



SC-70-5L



SC-89-6L



SO-8



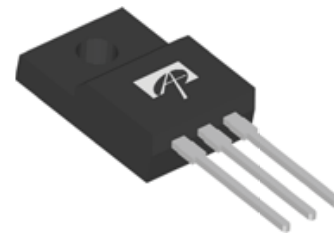
SOT-23



SOT-143-4L



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TO-220F



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I<sup>2</sup>PAK (TO-262)



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