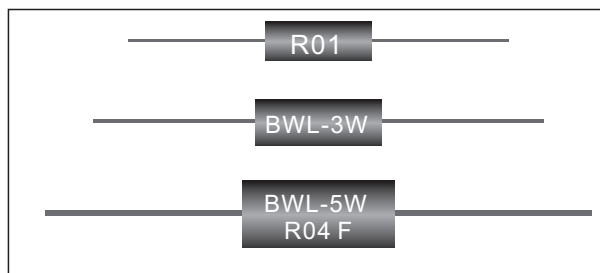


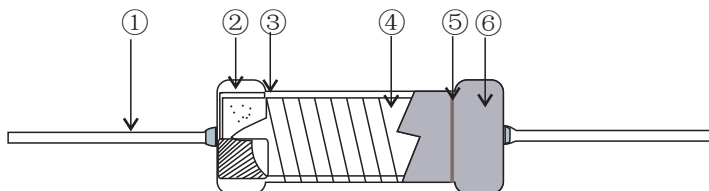
BWL 精密电流取样电阻 Precision current sense resistors



● 特性 Feature

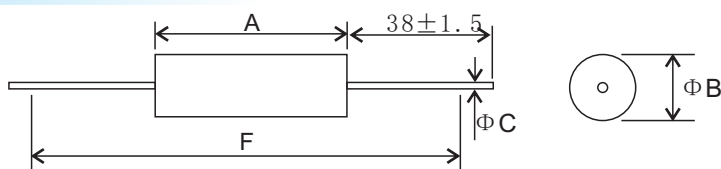
- I 低阻值 Low Resistance
- II 高精度 High Precision
- III 完全模压结构 Full Molded Construction
- IV 无电感 Non-inductance
- V 耐潮湿 Moisture-proof

● 结构图 Construction



①	端子线	lead wire
②	线帽	cap
③	瓷棒	cermic base
④	绕线	wire wound
⑤	标示	marking
⑥	模压塑料	full moded construction

● 外形尺寸 Dimensions



规格 Type	功率 Power (W)	尺寸Dimensions(mm)			测试点 F
		A±0.25	ΦB±0.25	ΦC	
BWL05	0.5	7.0	3.0	0.8	27.0
BWL10	1.0	11.0	3.0	0.8	31.0
BWL20	2.0	11.0	3.0	0.8	31.0
BWL30	3.0	14.0	5.2	0.8	34.0
BWL40	4.0	18.6	6.5	0.8	38.0
BWL50	5.0	24.0	8.4	1.0	44.0
BWL70	7.0	27.0	9.5	1.0	47.0
BWL100	10.0	46.5	10.0	1.0	66.0

● 料号编号 Ordering Information

例 example

BWL	05	0.5%	R01	±50ppm	盒装
型号 Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	温度系数 TCR	包装方式 Packaging
	05:0.5W 10:1.0W 20:2.0W 30:3.0W 40:4.0W 50:5.0W 100:10.0W	±0.5% ±1% ±5%	RO1=0.01Ω	±25ppm/°C ±50ppm/°C ±100ppm/°C ±250ppm/°C	盒装 Box

包装说明: 包装塑料自封袋包装 (起订量100只)
Packaging: Plastic recloseablebags(moq: 100PCS)

● 参考规格Reference Standards

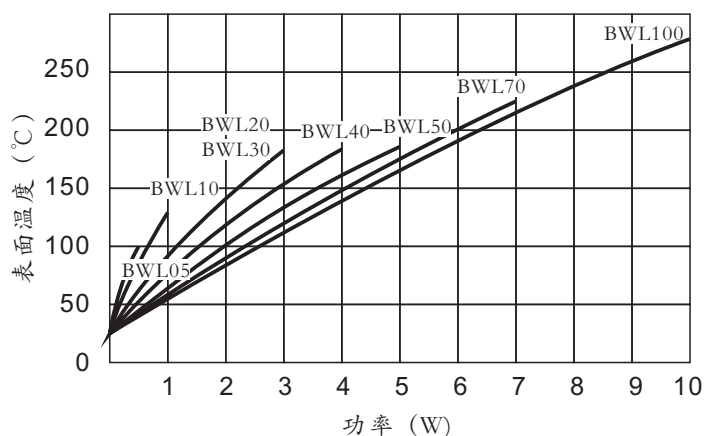
JIS C 5201-1

BWL 精密电流取样电阻 Precision current sense resistors

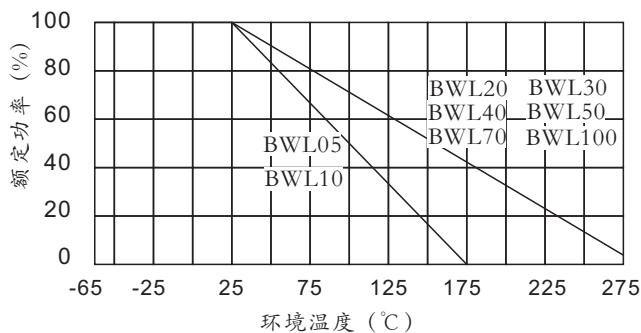
● 功率、阻值范围与耐电压

规格 Type	功率 Power (W)	阻值范围Resistance Range(Ω)	
		最小值 MIN	最大值 MAX
BWL05	0.5	R01	R1
BWL10	1.0	R005	R2
BWL20	2.0	R005	R2
BWL30	3.0	R005	R2
BWL40	4.0	R005	1R
BWL50	5.0	R005	1R
BWL70	7.0	R005	1R
BWL100	10.0	R01	1R

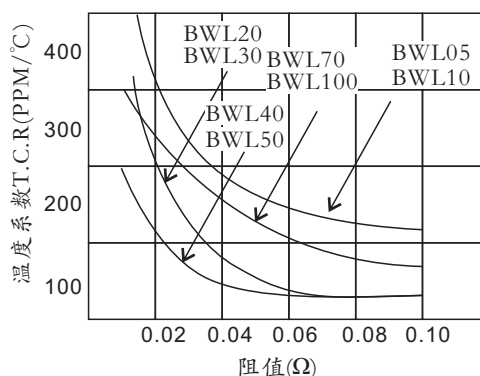
● 表面温度功率对应曲线



● 降功耗曲线 Derating Curve



● 温度随阻值变化曲线



● 性能 Performance

试验项目 Test Item	性能要求 Specifications	试验方法 Test Methods(JIS C 5201-1)
过载 Short Time Overload	$\leq \pm (0.5\%R + 0.0005\Omega)$	5 x rated power 5 s
温度冲击 Temperature shock	$\leq \pm (0.20\%R + 0.0005\Omega)$	-65 °C to + 125 °C, 5 cycles, 15 min at each extreme
低温工作 Low temperature	$\leq \pm (0.20\%R + 0.0005\Omega)$	-65°C for 24h
介质耐压 Dielectric Withstanding Voltage	$\leq \pm (0.1\%R + 0.0005\Omega)$	1000VRMS, 1Min
耐焊接热 Leaching	$\leq \pm (0.1\%R + 0.0005\Omega)$	350°C, 3.5s
耐湿 Moisture Resistance	$\leq \pm (0.2\%R + 0.0005\Omega)$	40°C, RH93%, 21D
负载寿命 Load life	$\leq \pm (1.0\%R + 0.0005\Omega)$	1000h at rated power, +70°C, 1.5h "ON", 0.5h "OFF"
可焊性 Solderability	$\leq \pm (0.25\%R + 0.0005\Omega)$	IEC68-2-20(1968)槽焊法, 235±5°C, 2s
高频振动 Vibration High Frequency	$\leq \pm (0.1\%R + 0.0005\Omega)$	Frequency varied 10 Hz to 2000 Hz, 20 g peak, 2 directions 6 h each