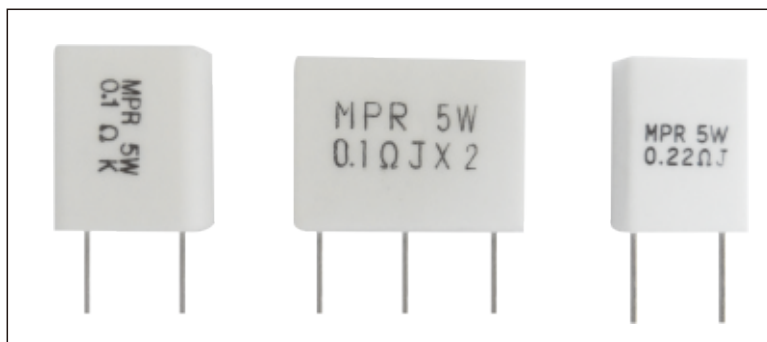
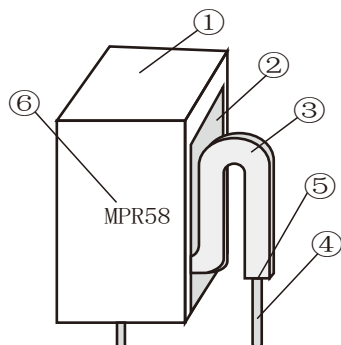




特性 Feature

- I 功率型的电流检测用电阻器。
- II 置于陶瓷壳之内，为难燃性电阻器。
- III 端子的5毫米节距可以自动插入。
- IV 低电感。
- V 占用面积小。
- VI 对应欧盟RoHS。
- I Power type current detecting resistors.
- II Flame retardant resistors is Ceramic Case.
- III Automatic insertion for a 5mm pitch between terminals is applicable.
- IV Low inductance.
- V Space saving.
- VI Products meet EU-RoHS requirements.

结构图 Construction

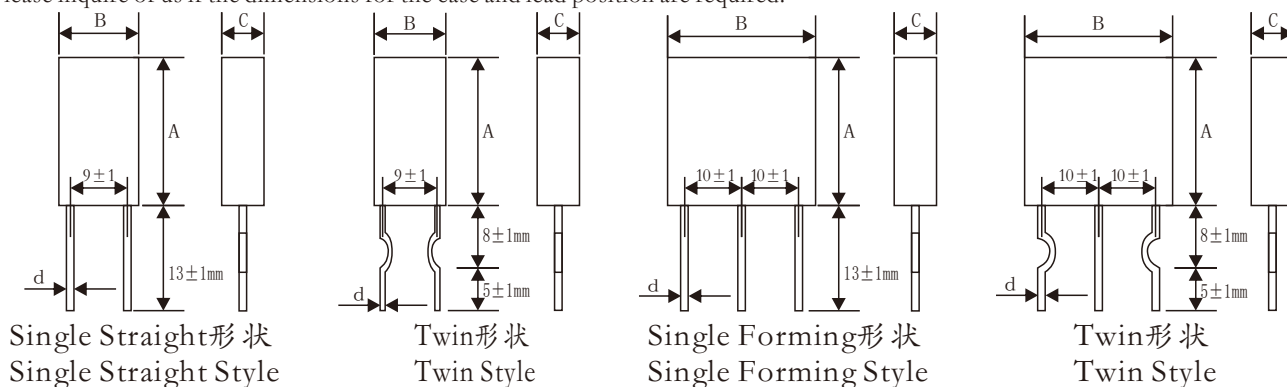


①	陶瓷壳	Ceramic case
②	水泥	Cement
③	电阻体	Resistive element
④	导线	Lead wire
⑤	焊接点	Welding
⑥	标示	Marking

外形尺寸 Dimensions

需要外壳和导线位置尺寸时，请向我们询问。

Please inquire of us if the dimensions for the case and lead position are required.

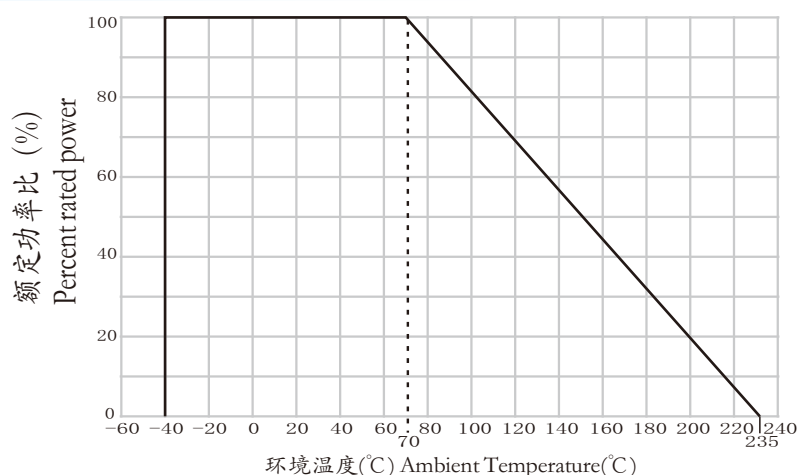


型号 Type	规格 Style	尺寸Dimensions(mm)				重量Weight(g) (1000pcs)
		A	B	C	Φd	
MPR	18	10±1.0	10±1.0	5±0.5	0.8±0.05	1250
	26, 28	8.0±1.0	13±1.0	5±0.5	0.8±0.05	1250
	36, 38	13±1.0	13±1.0	5±0.5	0.8±0.05	2350
	56, 58	18±1.0	14±1.0	5±0.5	0.8±0.05	3400
	108	18±1.0	26±1.0	5±0.5	0.8±0.05	5900
	22	9.0±1.0	26±1.0	5±0.5	0.8±0.05	3000
	33	13±1.0	26±1.0	5±0.5	0.8±0.05	5000
	55	18±1.0	26±1.0	5±0.5	0.8±0.05	6000
	77	18±1.0	26±1.0	5±0.5	0.8±0.05	6000

● 功率、阻值范围与耐电压 Power And Resistance etc

型号 Type	规格 Style	额定功率 Rated power(W)	阻值范围 Resistance Range(Ω)	误差值 Tolerance	耐电压 Dielectric Withstanding Voltage	温度系数 TCR	包装 Pack(pcs)	
							Straight	Forming
MPR	18	1	0.01~5 Ω	F $\pm 1\%$ G $\pm 2\%$ J $\pm 5\%$ K $\pm 10\%$	500V	$\pm 350\text{ppm}/^\circ\text{C}$	1000	---
	26	2	0.01~50 Ω					
	28	2	0.01~50 Ω					
	36	3	0.01~100 Ω				1000	1000
	38	3	0.01~100 Ω					
	56	5	0.01~200 Ω					
	58	5	0.01~200 Ω					
	108	10	0.01~1K Ω					
	22	2+2	0.01~50 Ω					
	33	3+3	0.01~100 Ω					
	55	5+5	0.01~200 Ω					
	77	7+7	0.01~500 Ω					

● 降功耗曲线图 Derating Curve



在周围温度大于70°C的情况下使用, 请根据上述负荷特性曲线, 减小额定功率。

For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

● 使用注意事项 Precautions for Use

● 对于50m Ω 以下的电阻值, 由于焊盘的尺寸和焊接用焊锡使用量的变化, 焊接后的电阻值可能会发生变化, 请事先确认电阻值可能降低或者增高的影响, 然后再设计机器。

● 推荐的焊接条件

最高温度: 260°C $\pm 5^\circ\text{C}$ 最高时间: 5~10秒。

● In the resistance values of 50m Ω or under, the resistance value after soldering may change depending on the size of pad pattern or solder amount, Make sure the effect of decline, increase of resistance value before designing.

● Recommendation condition of a solderability.

Peak temperature: 260°C $\pm 5^\circ\text{C}$ Peak time: 5~10s

● 性能 Performance

参考标准 JISC5201-1 Reference standards JISC5201-1

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods(JIS C 5201-1)
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖1.6mm Measuring points are 1.6mm from the cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100℃ Room temperature+100℃
短时间过负荷 Short time overload	$\pm (2\%R + 0.05\Omega)$	6.25倍额定功率5秒 6.25time the rated power for 5seconds
负荷寿命 Load life	$\pm (5\%R + 0.1\Omega)$	Rated voltage at 70℃ for 1,000hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm (5\%R + 0.1\Omega)$	额定电压40℃, 95%RH, 1, 000小时 Rated voltage at 40℃, 95%RH for 1,000hours
耐湿性 Moisture resistance	$\pm (2\%R + 0.05\Omega)$	40℃, 95%RH, 240小时 40℃, 95%RH for 240 hours
温度循环 Temperature cycle	$\pm (1\%R + 0.05\Omega)$	5cycles for -25℃ (30min); room temp.(30min) ~ +85℃ (30min) room temp.(30min)
焊锡耐热 Resistance to soldering heat	$\pm (2\%R + 0.05\Omega)$	260℃ +5℃ for 10 seconds(焊锡槽) 350℃ +10℃ for 3.5 seconds(手焊锡)
绝缘电阻 Insulation resistance	$>10M\Omega$	500V绝缘测试1分钟 500V insulation test 1min

● 料号编号 ordering Information

实例 Example

MPR	5	8	CP	F	R10	J
品种 Product Code	额定功率 Power Rating	引导线线径 Lead Wire Diameter	端子线 Lead wire	二次加工 Taping & Forming	公称电阻值 Nominal Resistance	阻值允许偏差 Resistance Tolerance
MPR	2:2W 3:3W 5:5W 10:10W 55:5W+5W 77: 7W+7W	6:Φ0.6mm 8:Φ0.8mm 8:Φ0.8mm 空栏 Blank	C:SnCu CP: Cp wire	空栏:直引线 Nil: Straight lead F:成型 F: Forming FT: Radial Taping(径向编带) (仅BPR26FT,58FT) FT: Radial taping (BPR26FT, BPR58FT only)	3 digits Ex: ※1 0.1Ω:R10 47mΩ:47L	J: ± 5% K: ± 10%

※1

电阻值范围 (Ω) Resistance Value	3位表示 3digits
10m~82m	10L~82L
0.1~0.82	R10~R82
1	1R0

预知关于此产品含有的环境负荷物质详情(除EU-RoHS以外), 请与我们联系。
关于Radial Taping(径向编带) 的详细情况, 请参照卷末的附录C。

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.

For further information on radial taping, please refer to APPENDIX C on the back page.