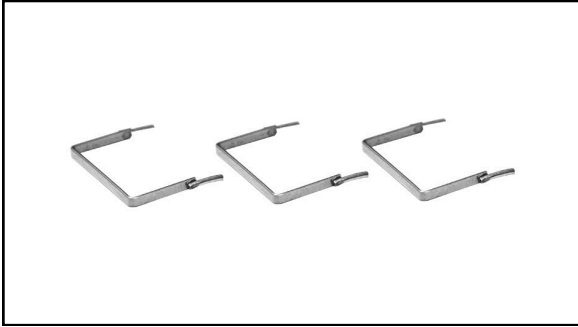


# LOW RESISTANCE RESISTOR

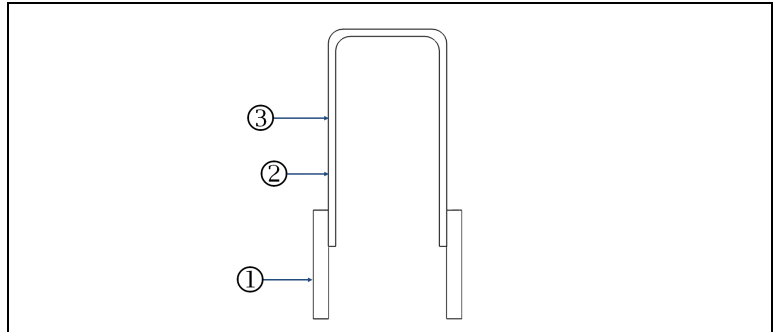
ST

低阻值電阻器  
LOW RESISTANCE RESISTOR (ST Type)



本体颜色 : Body color  
银色 : Silver

## 结构图 Construction



1	电阻线	Resistive wire	2	电镀层	Solder coat
3	端子线	Lead wire			

## 特性 Feature

- ◎ 尺寸小且重量轻
- ◎ Small size and light weight.
- ◎ 焊锡特性佳
- ◎ Excellent soldering performance.
- ◎ 可依客户需求制作
- ◎ Can be produced according to customer's request.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

## 料号编码 Type composition 例 Example

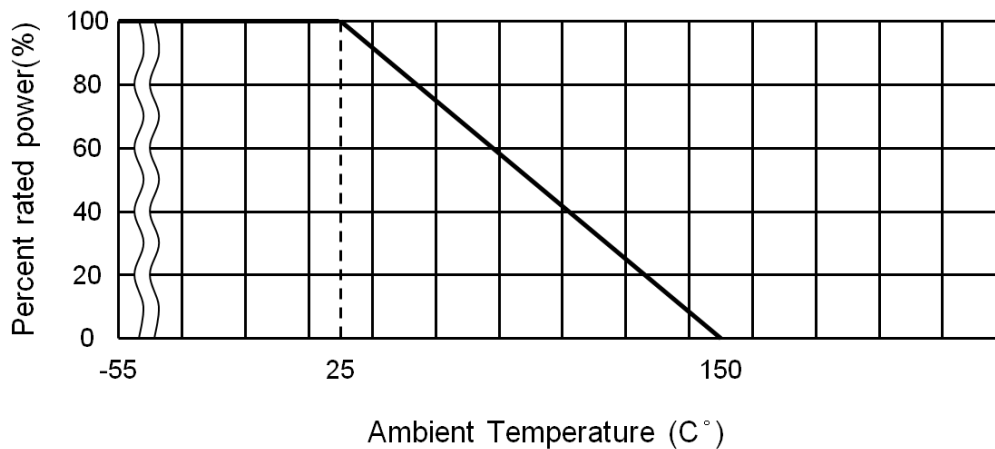
ST	50	J	R010	MG	P10	10
型名 Type	温度系数 T.C.R	误差值 Tolerance	电阻值 (Ω) Resistance	造型 Forming	端线长 Pitch	线径 Diameter
	±50ppm/°C	F±1%	1M00=1m	MG		
	±100ppm/°C	H±3%	10M0=10m			
	±200ppm/°C	J±5%	R100=0.1			
	±300ppm/°C					

## 额定 Ratings

Ød (mm)	最大过电流 Max. Current Rating (A)	阻值范围 Resistance Range (Ω)	误差值 Tolerance	温度系数 T.C.R.	使用温度范围 Temperature Range
0.8	6	1mΩ~ 10 mΩ	F±1% H±3% J±5%	± 50ppm/°C ±100ppm/°C ±200ppm/°C ±300ppm/°C	-55°C~150°C
1	8	10mΩ~ 200 mΩ			
1.2	10	100mΩ~ 300 mΩ			

■ 额定温度下降曲线图 Derating curve

例 Example



■ 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±2%	No evidence of mechanical damage and after test impedance change ratio
负荷寿命 Load life	±3%	100% rate power load (90min on and 30min off keep the 1,000 Hrs)
耐湿负荷寿命 Load life in humidity	±2%	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
焊锡耐热 Resistance to soldering heat	±1%	260°C ± 5°C for 10 seconds (焊锡槽) 350°C ± 10°C for 3.5 seconds (手焊锡)
可焊性 Solderability	Coverage 95%	Temp. of solder 245°C ± 5°C duration of immersion 5 s ± 0.5 s