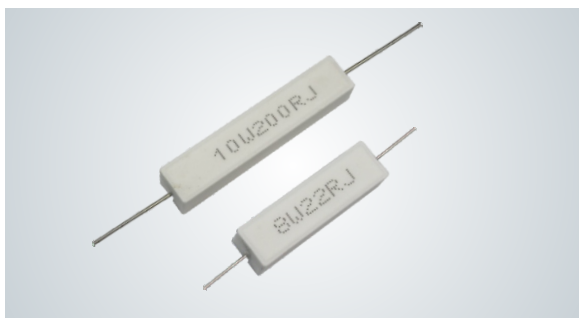


SQP 陶瓷线绕电阻 Ceramics Wirewound Resistor



本体颜色: Body Color

标准品: Standard (White 白色)

标示: Marking

文字: Alphanumeric (1W~100W)

(根据客户要求提供相应标识)

(According to the customer request to

provide corresponding identification)

特性 Feature

I 完全不可燃和高度绝缘性的安全设计

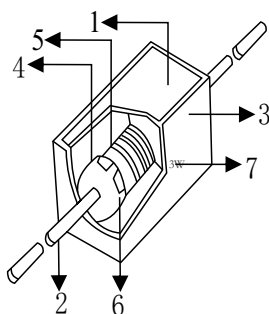
Compact type with safety design of non-flammability and insulation

II 长期稳定性优良 Stable long life

III 可提供低电感设计产品 Low inductance is available

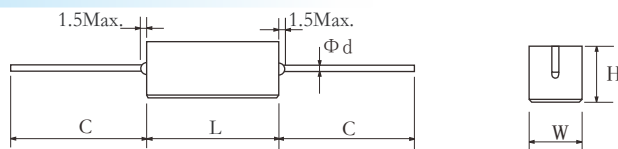
IV 符合欧盟RoHS要求 Products meet EU-RoHS

结构图 Construction



1	二氧化硅填充料 SiO ₂ materials
2	镀锡铜线 Tinned copper lead wire
3	陶瓷壳 Ceramic shell
4	玻纤棒或陶瓷棒 Glass core or ceramic core of high Al ₂ O ₃
5	线绕或氧化膜层 Wire-wound or metal oxide film
6	镀锡铁帽 Tinned iron cap
7	标示 Making

外形尺寸 Dimensions



规格 Type	功率 Power	尺寸 Dimensions (mm)				
		L ± 1.5	W ± 1	H ± 1	C ± 3	d ± 0.05
SQP	1W	12.5	5.5	5.7	24.0	0.65
	2W	18.0	6.5	6.5	33.0	0.75
	3W	22.0	8.0	8.0	33.0	0.75
	5W	22.0	10.0	9.50	33.0	0.75
	7W	35.0	10.0	9.50	33.0	0.75
	10W	48.0	10.0	9.50	33.0	0.75
	15W	48.0	12.5	12.5	33.0	0.75
	20W	63.0	14.0	14.0	33.0	0.75
	25W	63.0	14.0	14.0	33.0	0.75
	30W	75.0	18.0	18.0	35.0	0.80
	40W	90.0	19.0	19.0	35.0	1.0
	50W	90.0	19.0	19.0	35.0	1.0
	75W	110	19.0	19.0	35.0	1.0
	100W	135	24.0	24.0	35.0	1.0

参考规格 Reference Standards

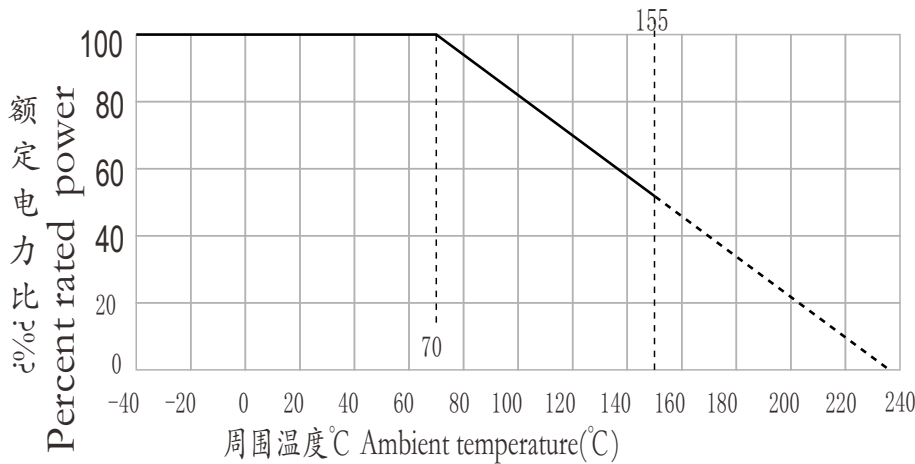
JIS C 5201-1

SQP 陶瓷线绕电阻 Ceramics Wirewound Resistor

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

额定功率 Rated Power(W)	阻值范围 Resistance Range(Ω)		最高使用电压 MaxWorking Voltage	最高负荷电压 MaxOverload Voltage	耐电压Dielectric Withstanding Voltage	温度系数 T.C.R
	皮膜型 Metal oxide film type	绕线型 Wire wound type				
1	100~39K	0.01~1K	150V	500V	1000V	皮膜型 Metal oxide film MPS $\pm 350\text{PPM}/^{\circ}\text{C}$ 绕线型 Wirewound $\pm 100\text{PPM}/^{\circ}\text{C}$
2	100~39K	0.01~2K	350V	750V		
3	100~39K	0.01~3K	500V	1000V		
5	100~50K	0.01~10K	750V	1000V		
7	100~100K	0.05~20K	1000V	1500V		
10	100~100K	0.1~20K	1000V	1500V		
15	100~100K	0.1~20K	1000V	1500V		
20	100~100K	0.1~20K	1000V	1500V		
25	100~100K	0.1~20K	1000V	1500V		
30	100~100K	0.1~20K	1000V	1500V		
40	100~100K	0.1~20K	1000V	1500V		
50	100~100K	0.1~20K	1000V	1500V		
75	100~100K	0.1~20K	1000V	1500V		
100	100~100K	0.1~20K	1000V	1500V		

● 额定温度下降曲线图 Derating Curve



● 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods(JIS C 5 201-1)
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	$\pm (2\%R+0.05\Omega)$	10倍额定功率, 5秒 10 times the rated power for 5 seconds
负荷寿命 Load life	$\pm (5\%R+0.1\Omega)$	Rated voltage at 70°C for 1,000 hrs 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°C, 95% R H, 1000小时 Rated voltage at 40°C, 95%RH for 1,000 hours
温度循环 Temperature cycle	$\pm (1\%R+0.05\Omega)$	5 cycles for -25°C (30min); room temp. (30min) ~+85°C (30min) room temp. (30min)
焊锡耐热 Resistance to soldering heat	$\pm (1\%R+0.05\Omega)$	260°C $\pm 5^{\circ}\text{C}$ for 10 seconds (焊锡槽) 350°C $\pm 10^{\circ}\text{C}$ for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	> 100M Ω	500V 绝缘测试1分钟 500V insulation test 1min.

● 料号编号 ordering Information

例 example

SQP	01	J	R100	A
型号Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	特殊码 Sperial code
SQP	01:1W 02:2W 07:7W 10:10W 25:25W 100:100W	J ± 5% F ± 1% G ± 2%	R100=0.1 1R00=1 10R0=10 1000=100	A: 绕线型wirewound type 陶瓷芯 Ceramic core B:氧化皮膜型 Metal oxide film type C:绕线型wirewound type 玻纤芯Glass core D:无感型Non-inductive type

注意事项：我们还提供如下性能的产品设计，以满足你的需要，针对SQP产品。

I 提供超小型尺寸产品设计和生产

II 提供无电感产品设计和制作

III 提供抗脉冲高压产品的设计和生产

IV 提供高稳定性和可靠性的军用品与工业品的产品设计和生产

如需更多支持，请联系我们的工程师kwx@kwxcom.com

To meet your request :

We also provide products for below functions, for SQP etc.

I Mini size design

II Non-inductive products design

III Anti-pulse high voltage design

IV Design resistor for High stability and reliable military supplies and industrial products .

More details please contact with our engineer. kwx@kwxcom.com