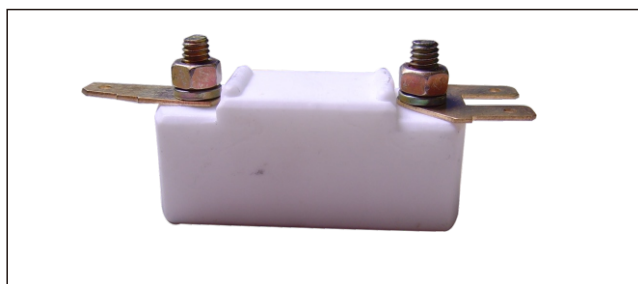


SQK陶瓷电阻器 CERAMICS RESISTOR



本体颜色: Body Color

标准品: Standard (White 白色)

标示: Marking

文字: Alphanumeric

(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

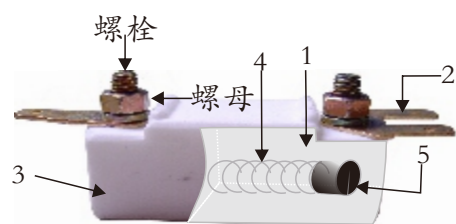
Compact type with safety design of non-flammability and insulation

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

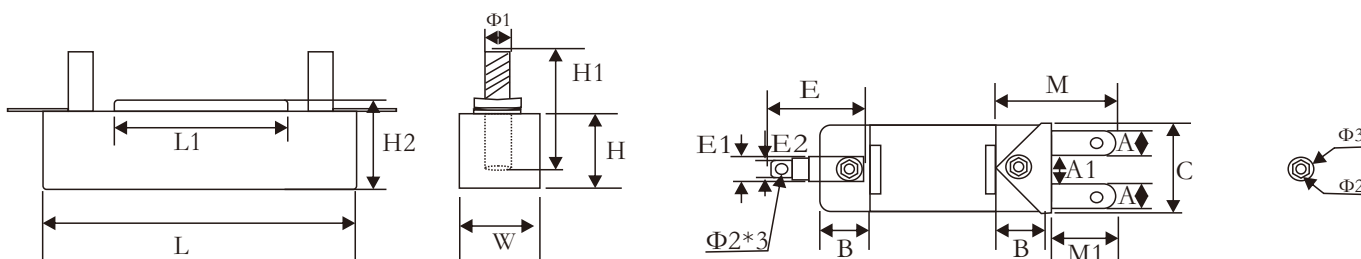
IV 符合欧盟RoHS要求/Products meet EU-RoHS

结构图 Construction



1	2	3	4	5
二氧化硅填充料	端子	陶瓷壳	合金丝	镀锡铁帽
SiO ₂ materials	Iron plate	Ceramic shell	Alloy Fiber	Tinned iron cap

外形尺寸 Dimensions



规格 Type	功率 Power	尺寸Dimensions(mm)																
		L±1.0	L1±1.0	W±0.5	H±0.5	H1±0.5	H2±0.5	E	E1	E2	B	M	M1	C	A	Φ1	Φ2	Φ3
SQK	30W	54	28.5	20.0	17.5	23	20	25	7.5	6.4	10.5	22.0	10.5	20.8	6.0	4.8	8.0	8.2

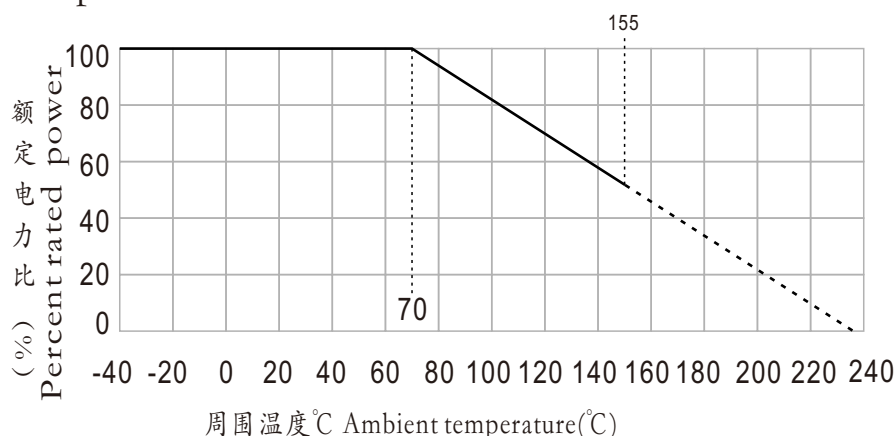
参考规格Reference Standards

JIS C 5201-1

SQK 陶瓷电阻器 CERAMICS RESISTOR

● 额定温度下降曲线图 Derating Curve

例 Example



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

型号 Type	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
SQK	30	1~10K	$\sqrt{PR}$	$\sqrt{10PR}$	1000V	$\pm 100\text{PPM}/^{\circ}\text{C}$

● 性能 Performance

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	$\pm (1\%R+0.05\Omega)$	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 hours 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% RH, 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°C for 10 seconds(焊锡槽) 350°C $\pm$ 10°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

SQK	30	J	R100
型号Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance
SQK陶瓷水泥电阻	30:30W	J ± 5% F ± 1% G ± 2%	R100=0.1 1R00=1 10R0=10 1000=100