

SQZ1 陶瓷电阻器 CERAMICS RESISTOR



本体颜色: Body Color

标准品: Standard (White 白色)

标示: Marking

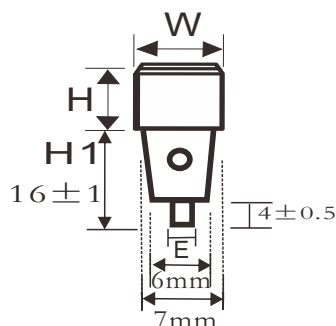
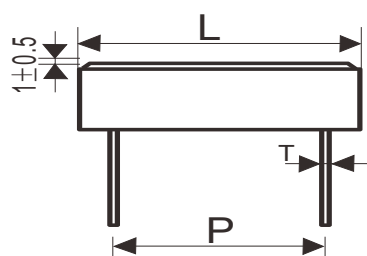
文字: Alphanumeric (1W~100W)

(根据客户要求提供相应标识)

(According to the customer request to provide corresponding identification)

外形尺寸 Dimensions

(15W-25W)



规格 Type	功率 Power	尺寸Dimensions(mm)					
		L±1.5	W±1	H±1	P±1	T±0.2	E±0.2
SQZ1	15W	48.0	12.5	12.5	35.5	0.4	3
	20W	63.0	12.5	12.5	50.0	0.4	3
	25W	63.0	12.5	12.5	50.0	0.4	3

我们接受客户对于端子形状的更多要求, 请向我们的工程师询问 kwx@kwxcom.com

We can make the terminal with many different shapes, more details please email to our engineer, kwx@kwxcom.com.

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

参考规格 Reference Standards

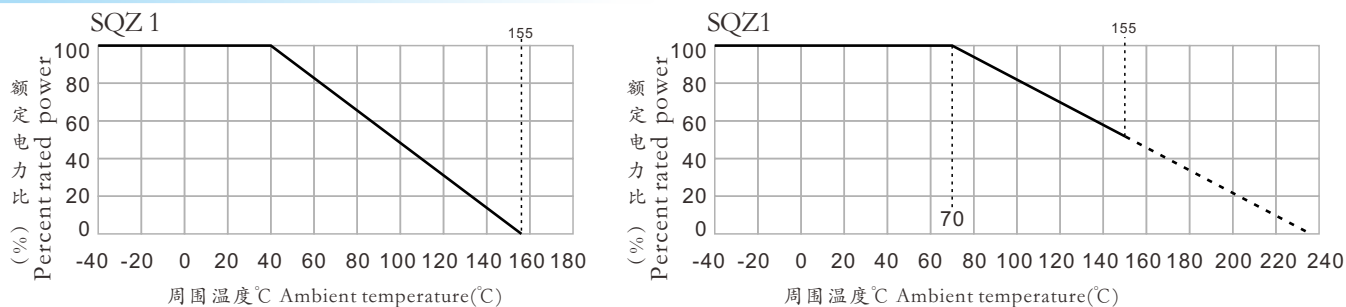
JIS C 5201-1

SQZ1 陶瓷电阻器 CERAMICS RESISTOR

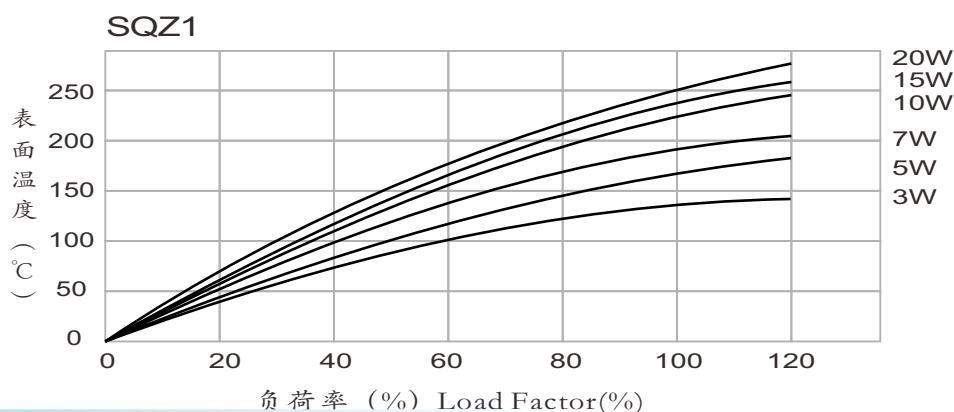
● 功率、阻值范围与耐电压 Power And Resistance etc

额定功率 Rated Power(W)	阻值范围 Resistance Range(Ω)		最高使用电压 Max Working Voltage	最高负荷电压 Max Overload 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				
15	100~100K	0.1~20K	1000V	1500V	1000V	皮膜型 Metal oxide film SQZ1 $\pm 350\text{PPM}/^\circ\text{C}$ 绕线型 Wirewound SQZ1 $\pm 100\text{PPM}/^\circ\text{C}$
20	100~100K	0.1~20K	1000V	1500V		
25	100~100K	0.1~20K	1000V	1500V		

● 额定温度下降曲线图 Derating Curve



● 表面温升曲线 Temperature rising curve



● 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	$\pm (1\%+0.05\Omega)$	10倍额定功率, 5秒 10 times the rated power for 5 seconds
负荷寿命 Load life	$\pm (5\%+0.1\Omega)$	额定电压 at 70°C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm (5\%+0.1\Omega)$	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	$\pm (1\%+0.05\Omega)$	5 cycles for -25°C (30min); room temp.(30min) ~+85°C (30min) room temp.(30min)
焊锡耐热 Resistance to soldering heat	$\pm (1\%+0.05\Omega)$	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

型号Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	特殊码 Sperial code
SQZ1绕线型Wirewound type 陶瓷型Ceramic core MQZ1氧化皮膜型 Metal oxide film type GQZ1绕线型Wirewound type 玻纤型Glass core	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

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SQZ1、MQZ1、GQZ1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

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 SQZ1、MQZ1、GQZ1 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