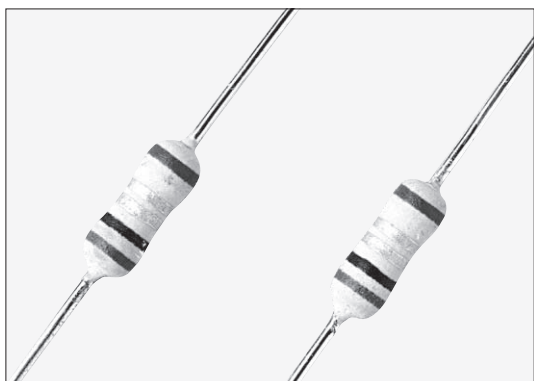


# FUSING RESISTOR



## RF25CC 涂层绝缘型保险丝电阻器 (限流熔断型) Coat-insulated Fusing Resistors (Constant Current Fusing Type)

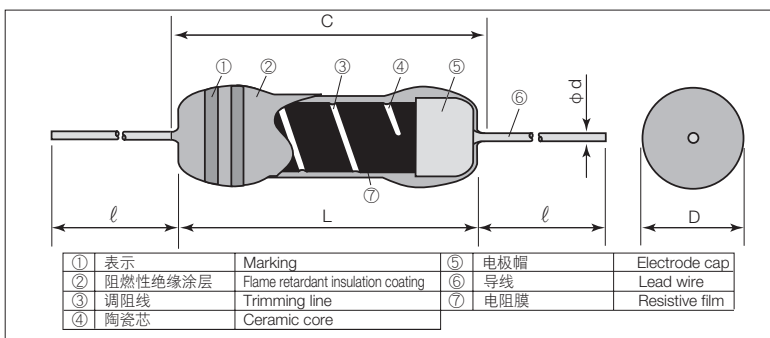


外观颜色: 蓝色 Coating color: Blue  
表示: 颜色码 Marking: : Color code  
在五彩线中表示绿色供识别用。  
5th Color band: Green for identification

### 特点 Features

- 对过电流, 在60秒内熔断。
- 是定流熔断型。
- 在低倍率上熔断 (额定功率的5倍、10倍)。
- 阻燃性涂层 (相当于UL94 V-0)。
- 符合欧盟RoHS。
- Fuse within 60sec in case of over-current.
- Constant current fusing type.
- Fuse at low magnification at 5 times or 10 times of power rating.
- Flame retardant coating. (Equivalent to UL94 V-0.)
- Products meet EU-RoHS requirements.

### 结构图 Construction



### 外形尺寸 Dimensions

型号 Type	尺寸 Dimensions (mm)					Weight (g) (1000pcs)
	L	C Max.	D	d (Nominal)	ℓ	
RF25CC	6.3±0.5	7.1	2.3±0.3	0.6	30±3	230

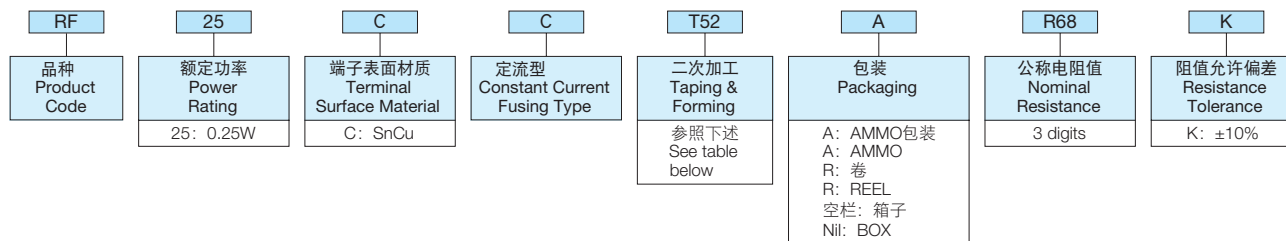
- ※ 引线长度按照成型和编带的不同而改变。
- ※ Lead length changes depending on taping and forming type.

### 参考标准 Reference Standards

IEC 60115-1  
JIS C 5201-1  
EIAJ RC-2125

### 品名构成 Type Designation

实例 Example



欲知关于此产品含有的环境有害物质详情 (除EU-RoHS以外), 请与我们联系。  
编带细节请参考卷末附录C。

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.  
For further information on taping, please refer to APPENDIX C on the back pages

### 二次加工对应表 Taping & Forming Matrix

轴向编带 Axial Taping		L成形 L Forming	M成形 M Forming	轴向编带 Axial Taping	
T26	T52	L10A	M10	VTP	VTE
○	○	○	M10X	○	○

### 额定值 Ratings

额定功率 Power Rating	电阻值范围 Resistance Range (Ω)	阻值允许偏差 Resistance Tolerance	熔断特性 Fusing Characteristics		耐电压 Dielectric Withstanding Voltage	编带和包装/AMMO包装 Taping&Q'ty/AMMO pack (pcs)	
			熔断功率 Fusing Power	熔断时间 Fusing Time		T26A	T52A
0.25W	0.1~0.91 (E24)	K: ±10%	2.5W 0.1Ω	1.25W 0.11Ω~0.91Ω	250V	2,000	2,000

额定环境温度 Rated Ambient Temperature : +70°C

使用温度范围 Operating Temperature Range: -40°C~+155°C

额定电压是√额定功率×公称电阻值所算出的值。

Rated voltage = √Power Rating × Resistance value .

本样本手册中记载的产品规格如有变更, 恕不一一奉告。订购以及使用之前, 请仔细确认规格表的内容。

用于车载设备、医疗设备、航空设备以及其他涉及人身安全、或可能引起重大损失的设备上时, 请务必事先与我公司联系。这些产品在这类用途中出现故障或失灵可能导致人身事故或严重损坏。

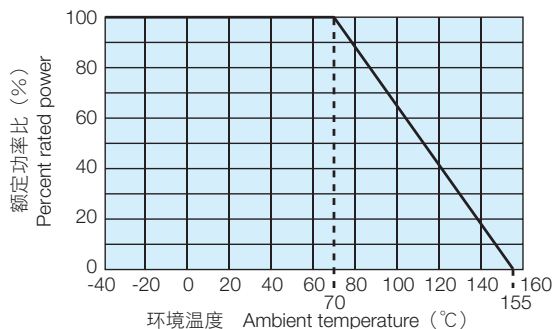
Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment.

Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Mar. 2015

## ■ 负荷减轻特性曲线 Derating Curve

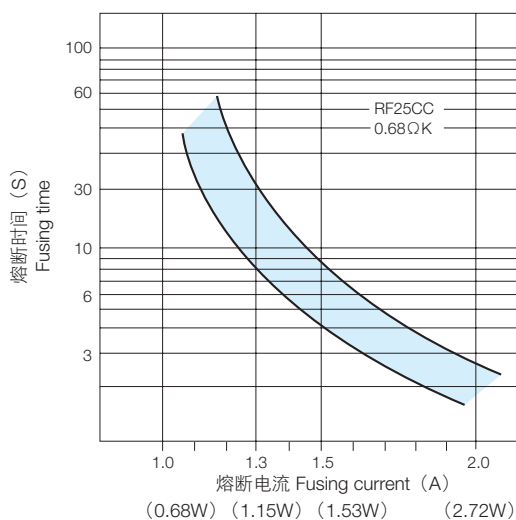


在环境温度70℃以上使用时，应按照左图负荷减轻特性曲线，减小额定功率。  
For resistors operated at an ambient temperature of 70℃ or above, a power rating shall be derated in accordance with derating curve on the left.

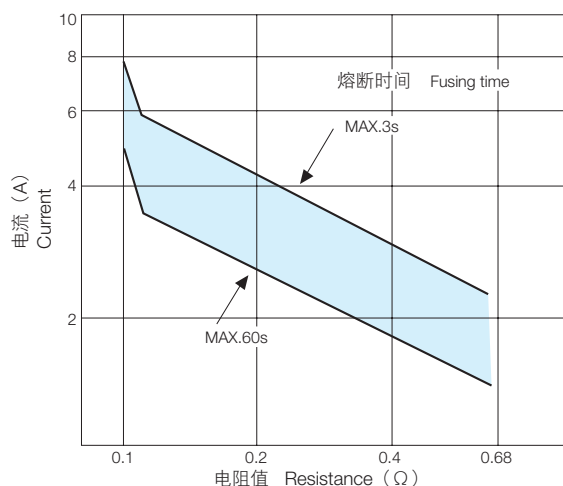
## ■ 性能 Performance

试验项目 Test Items	标准值 Performance Requirements $\Delta R \pm (\% + 0.05 \Omega)$		试验方法 Test Methods
	保证值 Limit	代表值 Typical	
电阻值 Resistance	在规定的允许偏差内 Within specified tolerance		25℃
耐焊接热 Resistance to soldering heat	5	2.5	350℃ ± 10℃, 3.5s ± 0.5s or 260℃ ± 5℃, 10s ± 1s
耐湿负荷 Moisture resistance	5	2.5	40℃ ± 2℃, 90%~95%RH, 1000h 无负荷 No Load
在70℃时的耐久性 Endurance at 70℃	5	2.5	70℃ ± 2℃, 1000h 1.5小时ON、0.5小时OFF的周期 1.5h ON/0.5h OFF cycle
耐溶剂性 Resistance to solvent	应当外观没有异常，表示容易辨认。 No abnormality in appearance. Marking shall be easily legible		在异丙醇中浸渍30秒钟。 The resistor shall be immersed in IPA for 30 sec.
难燃性 Flame retardant	应不发火和自动发火。 No evidence of flaming or self-flaming.		耐火性：把试验火焰在主体上烧15秒，取下15秒，5个循环。 过载耐火性：相当于额定功率的2、4、8、16、32倍。把电力分别施加1分钟直到断线。 Flame test : The test flame shall be applied and removed for each 15 sec respectively to repeat the cycle 5 times. Overload flame retardant: Power corresponding to 2, 4, 8, 16 and 32 times the power rating shall be applied for each 1min. until disconnection occurs.

## ■ 熔断特性实例 Example of Fusing Characteristics



## ■ 电阻值和熔断电流的关系 I-R Characteristics



## ■ 使用注意事项 Precautions for Use

- 由于包装涂层是阻燃性特种涂料，对外部冲击比较脆弱，使用时应注意。清洗应在最小限度。清洗后涂层膜比较脆弱，因此，在充分干燥以前，不要在涂层膜上施加外力。由于要干燥后才恢复到原来强度，因此，请注意。在清洗后约20分钟以内，不要在电阻的涂层膜上施加外力。特别不要进行基板的堆叠等。
- Be careful to handle these resistors because outer coatings are comparatively weak to outer shock due to flameproof special coats. Please wash them to a minimum. No external force is given to the coating films until they are well dried because the coating films become weaker right after washing. The original strength will be returned after they are dried, so please pay attention not to apply any external force onto the coating film of resistors for 20 minutes after drying. Especially no PC boards shall be piled up.