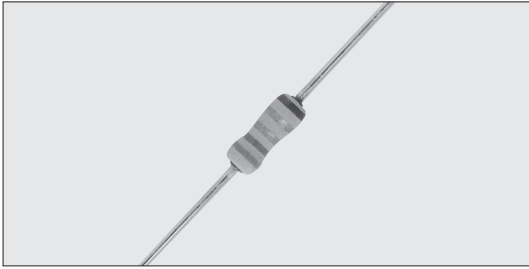
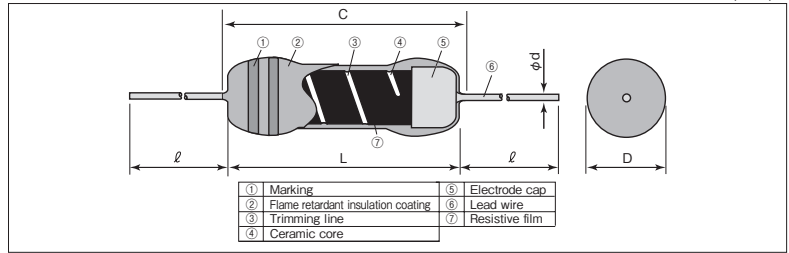


RF25CC ■ Coat-insulated Fusing Resistors (Constant Current Fusing Type)



Coating color : Blue
 Marking : Color code
 5th Color band : Green for identification

■ Construction



■ Dimensions

Type	Dimensions (mm)					Weight (g) (1000pcs)
	L	C Max.	D	d (Nominal)	ℓ ^{*1}	
RF25CC	6.3±0.5	7.1	2.3±0.3	0.6	30±3	230

*1 Lead length changes depending on taping and forming type.

■ Features

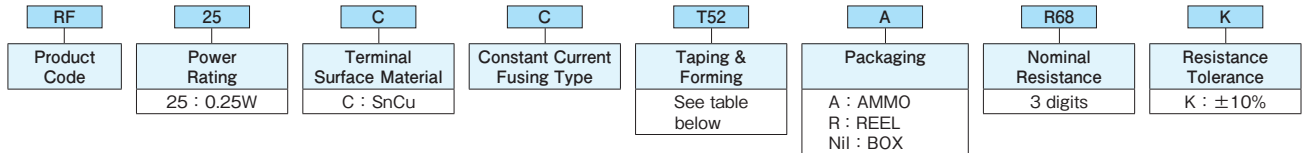
- Fuse within 60sec in case of over-current.
- Constant current fusing type.
- Fuse at low magnification at 5 times or 10 times of power rating.
- Flame retardant coating. (Equivalent to UL94 V-0.)
- Products meet EU-RoHS requirement. EU-RoHS regulation is not intended for Pb-glass contained in insulation coating.

■ Reference Standards

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

■ Type Designation

Example



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

■ Taping & Forming Matrix

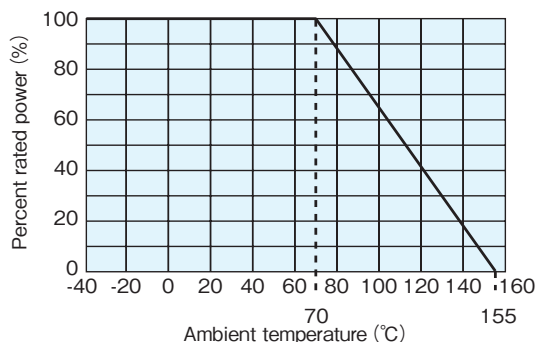
Axial Taping		L Forming	M Forming	Radial Taping	
T26	T52	L10A	M10	VTP	VTE
○	○	○	M10X	○	○

■ Ratings

Power Rating	Resistance Range (Ω) E24	Resistance Tolerance	Fusing Characteristics			Dielectric Withstanding Voltage	Taping & Q'ty/AMMO (pcs)	
			Fusing Power		Fusing Time		T26A	T52A
			2.5W 0.1Ω	1.25W 0.11Ω~0.91Ω	60s Max.		2,000	2,000
0.25W	0.1~0.91	K : ±10%				250V	2,000	2,000

Rated Ambient Temperature : +70℃
 Operating Temperature Range : -40℃~+155℃
 Rated voltage = √Power Rating × Resistance value

Derating Curve

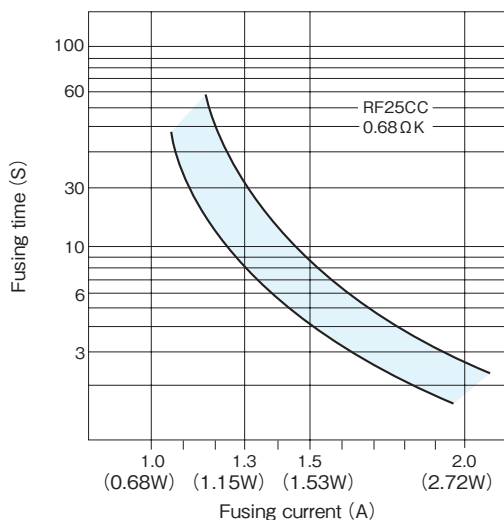


For resistors operated at an ambient temperature of 70°C or higher, the power shall be derated in accordance with the above derating curve.

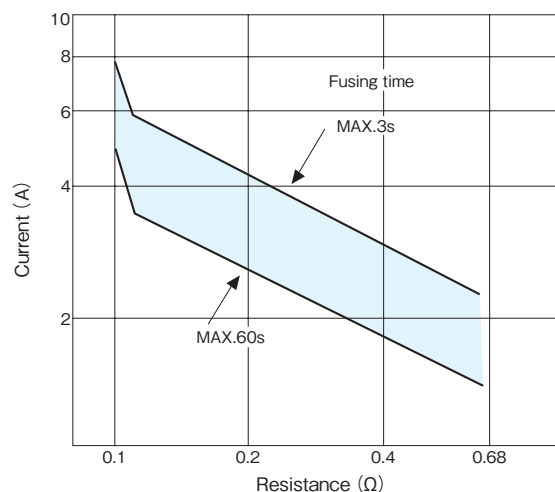
Performance

Test Items	Performance Requirements $\Delta R \pm (\% + 0.05\Omega)$		Test Methods
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
Resistance to soldering heat	5	2.5	350°C±10°C、3.5s±0.5s or 260°C±5°C、10s±1s
Humidity	5	2.5	40°C±2°C、90%~95%RH、1000h No Load
Endurance at 70°C	5	2.5	70°C±2°C、1000h 1.5h ON/0.5h OFF cycle
Resistance to solvent	No abnormality in appearance. Marking shall be easily legible.	—	The resistor shall be immersed in IPA for 30s.
Flame retardant	No evidence of flaming or self-flaming.	—	Flame test : The test flame shall be applied and removed for each 15 sec respectively to repeat the cycle 5 times. Overload flame retardant: AC Voltage corresponding to 2, 4, 8, 16 and 32 times the power rating shall be applied for each 1min. until disconnection occurs.

Example of Fusing Characteristics



I-R Characteristics



Precautions for Use

- 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.