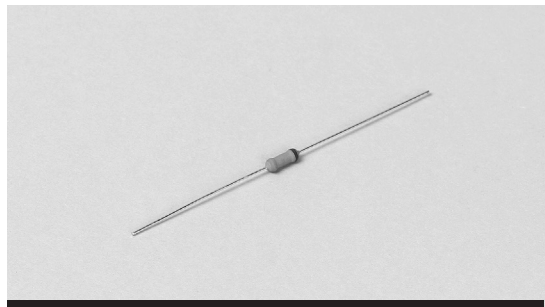




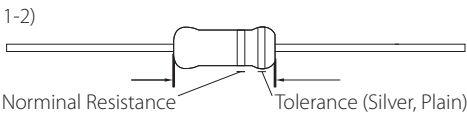
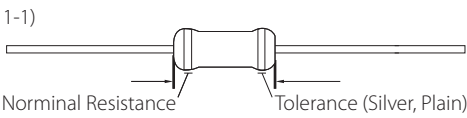
SPF has the same function with micro fuse. Ideal for protecting from abnormal conditions in TV, monitor and so on.
SPF can replace micro fuse and be auto-inserting, and lower price than micro fuse.

Features

- All normal fusible resistors can be replaced.
- The smallest design can be available.
- Auto-insertion can be available.
- Low range of resistance.
- Applied for a patent (PCT).

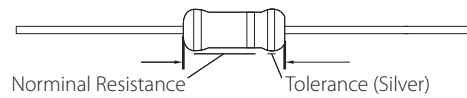
Color Coding

- SPF 0.1Ω Under



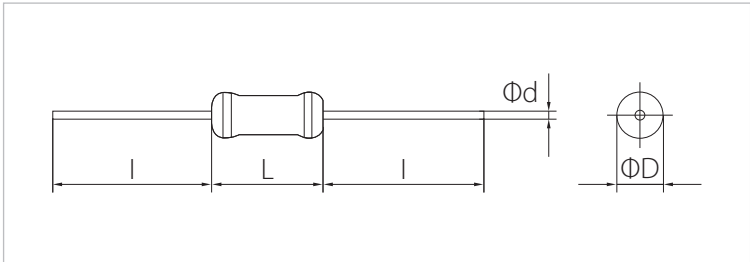
1st Color Coding	Silver (K)	Plain (M)
Color Code X 0.01Ω	± 10%	± 20%

- SPF 0.1Ω Over



1st Color Coding	2nd Color Coding	Silver (K)
Color Code X 0.01Ω	Color Code X 0.01Ω	± 10%

Dimension



Type	Dimension (mm)			
	L	ΦD±0.2	l±3.0	Φd±0.02
1/2W	3.2±0.3	2.0	28.0	0.43
1W	6.5±0.5	2.3	28.0	0.56

Type Designation

SPF	01	T1	R020	M
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	92 : 1/2W 01 : 1W	T-/S-: Axial Type	R020 : 0.020Ω R050 : 0.050Ω	K : ±10% M : ±20%

Characteristic

Type	Nominal Resistance Cold Ohms (Ω)	Ampere Rating (A)	Resistance Tolerance (%)	Operating Temperature (°C)	Ambient Temperature (°C)
1/2W	0.020	1.75	K: ±10 M: ±20	-55~+125	70
1W	0.050	3	K: ±10		
	0.100	3	K: ±10 M: ±20		
	0.070	3.5			
	0.050	4			
	0.040	5			
	0.020	6			
	0.010	10	M: ±20		

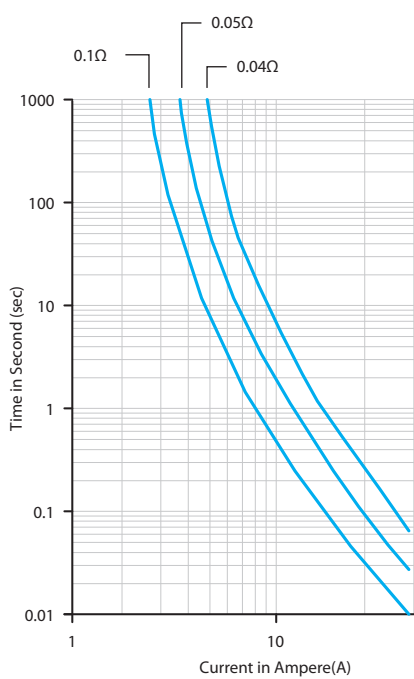
Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4hr, Min.
200%	10sec, Max.
300%	1sec, Max.

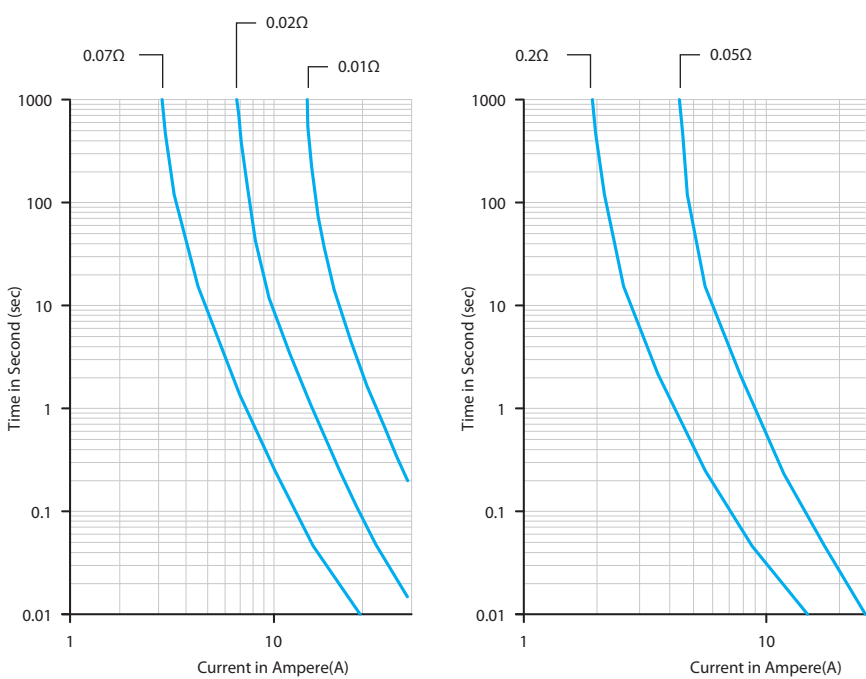
Shape

Type	Axial Type	
	26mm	52mm
SPF	O	O

I-T Curve (SPF 1W)



I-T Curve (SPF 1/2W)



Performance

Test Items	Performance Requirements	Test Methods
T.C.R	Within 3,000±1,000 PPM/°C.	+25 °C / +125 °C
Load Life in Moisture	± (10% + 0.001Ω)	40±2°C, 90~95%RH, 1.5hr ON / 0.5hr OFF cycle 1,000hr
Insulation	Over 10,000 times initial resistance	After overload test or fusing test