

Fusible Resistor - FR Series



INTRODUCTION

Fusible resistors can be customized designs. It is specially spiraled to provide the fusible function with flame retardant coating. Applications are widely used in constant voltage designed, overload protection, applicable for battery chargers, TV sets, cordless phones, and PC/CPU coolers.

GENERAL SPECIFICATIONS:

STYLE	POWER RATING	DIMENSION (mm)				MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE	
		L	øD	H	ød			±2% (G)	±5% (J)
FR	1/4W	6.0±0.2	2.3±0.3	26.5±2	0.5 ±0.05	250	300	4.7Ω~1K	2.2Ω~1K
FR	1/2W	9.0±0.5	3.2±0.3	26±2	0.58 ±0.05	250	400	4.7Ω~1K	2.2Ω~1K
FR	1W	11.0±0.5	4.5±0.5	35±2	0.68 ±0.05	300	500	4.7Ω~1K	0.27Ω~1K
FR	2W	15.0±0.5	5.0±0.5	32±2	0.78 ±0.05	350	500	4.7Ω~1K	0.33Ω~1K
FR	3WS	15.0±0.5	5.0±0.5	32±2	0.78 ±0.05	350	500	4.7Ω~1K	0.33Ω~1K
FR	3W	17.0±0.5	6.0±0.5	32±2	0.78 ±0.05	350	500	4.7Ω~1K	0.33Ω~1K

Other resistance value on request

CHARACTERISTICS:

Temperature Coefficient	±100 PPM Type 350 Max
Insulation Resistance	10,000 MΩ Min
Load Life (1,000 hours)	±5% + 0.05Ω Max
Short-time Overload	±2% + 0.05Ω Max
Temperature Cycling	±1% + 0.05Ω Max
Moisture Resistance	±5% + 0.05Ω Max
Shock and Vibration	±1% + 0.05Ω Max
Effect of Soldering	±1% + 0.05Ω Max

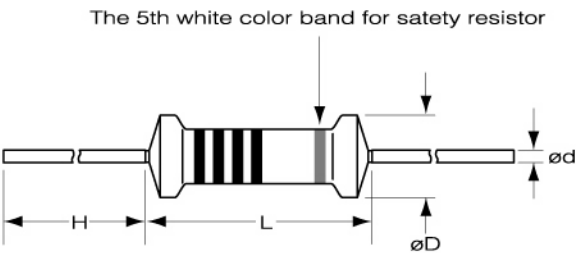
POWER:

POWER	Fusing Time Maximum
16 x Wattage	1 Min.
20	40 Sec.
24	30 Sec.
28	20 Sec.
32	15 Sec.

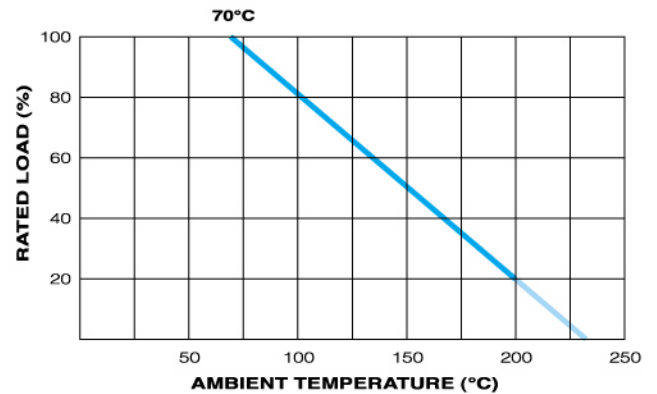
NOTE :

1. After voltaged the variable rate of resistance in excess (over) 100 times is open.
2. Operating Temper Range - 30°C~155°C

DIMENSIONS:



DERATING CURVE



FUSING CHARACTERISTICS:

