

**FUSIBLE METAL FILM RESISTORS**

保險絲電阻

FLAME-PROOF TYPE : FR SERIES**INTRODUCTION**

These Fusible Resistors contain both functions as being resistor in normal condition and turned into fuse while abnormal current comes in. The FR series Fusible Metal Film Resistors are manufactured by high vacuum sputtering deposit metal film on high thermal conductivity and specific gravity ceramic rods, and are coated with multi layers of green color flameproof lacquer.

GENERAL SPECIFICATIONS

TYPE	DIMENSION (mm)				POWER RATING	MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE	
	L	D	H	d(±0.05)				±2%(G)	±5%(J)
FR-25	6.0±0.2	2.3±0.3	28.0±2	0.5	1/4W	250	300	4.7Ω-1K	2.2Ω-1K
FR-50	9.0±0.5	3.2±0.3	26.0±2	0.6	1/2W	250	400	4.7Ω-1K	2.2Ω-1K
FR-100	11.0±0.5	4.5±0.5	35.0±2	0.8	1W	300	500	4.7Ω-1K	0.27Ω-1K
FR-200	15.0±0.5	5.0±0.5	32.0±2	0.8	2W	350	500	4.7Ω-1K	0.33Ω-1K
FR-300S	15.0±0.5	5.0±0.5	32.0±2	0.8	3WS	500	500	4.7Ω-1K	0.33Ω-1K
FR-300	17.0±0.5	6.0±0.5	32.0±2	0.8	3W	500	500	4.7Ω-1K	0.33Ω-1K

Other resistance value on request

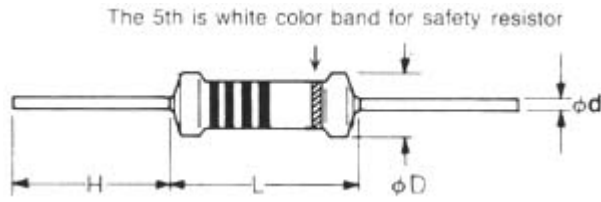
CHARACTERISTICS

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

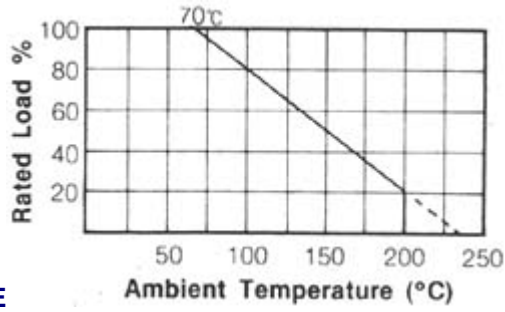
POWER	Fusing Time
	Maximum
16 x Wattage	1 Min.
20	40 Sec.
24	30 Sec.
28	20 Sec.
32	15 Sec.

DIMENSIONS



NOTE :

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



3. DERATING CURVE

FUSING CHARACTERISTICS

