

## Fusible Metal Film Resistors

### Series FR

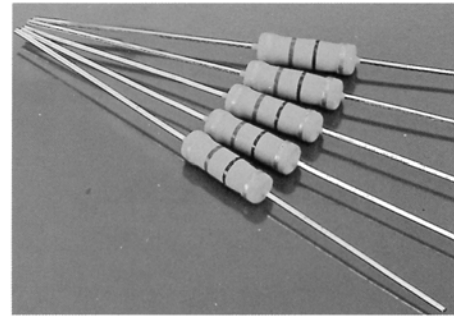
#### FLAME-PROOF TYPE

1/4W , 1/2W , 1W , 2W

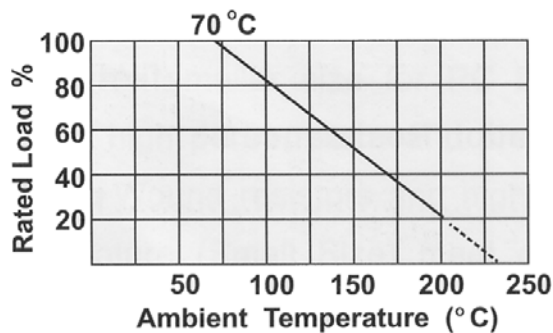
FR-25 , FR-50 , FR-100 , FR-200

#### 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 thermal conductivity and specific gravity ceramic rods, and are coated with multilayers of green color flameproof lacquer.



#### DERATING CURVE



#### PERFORMANCE

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

#### DIMENSIONS & SPECIFICATIONS

TYPE	DIMENSION (mm)				POWER RATING	MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE	
	L	φD	H	φD(±0.05)				+2%(G)	+5%(J)
FR-25	6.3±0.5	2.3±0.3	28±2	0.55	1/4W	200	400	4.7Ω - 560Ω	2.2Ω - 560Ω
FR-50	9.0±0.5	3.2±0.5	28±2	0.60	1/2W	250	500	4.7Ω - 560Ω	2.2Ω - 560Ω
FR-100	11.5±1.0	4.5±0.5	35±3	0.80	1W	300	600	4.7Ω - 560Ω	0.27Ω - 560Ω
FR-200	15.5±1.0	5.0±0.5	35±3	0.80	2W	350	700	4.7Ω - 560Ω	0.33Ω - 560Ω
FR-300S	15.5±1.0	5.0±0.5	35±3	0.80	3W	350	700	4.7Ω - 560Ω	0.33Ω - 560Ω

#### FUSING CHARACTERISTICS

