

# FUSIBLE METAL FILM RESISTORS

## How To Order:

Series: FR

Part No.

FR

25

F

2K3

T

S1

<b>Series</b> Fusible Metal Film Resistor	<b>Wattage</b> FR25=1/4W FR50=1/2W FR100=1W FR200=2W FRS300=3WS	<b>Tolerance</b> F=1% J=5%	<b>Value</b> 1R=1 ohm 2.3R=2R3 1K=1000 ohm 2.3K=2K3 2.3M=2M3	<b>Packing</b> T=Taped B=Bulk
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(S1 means special spec. Standard goods is without it.)

Description: FUSIBLE METAL FILM RESISTOR 1/4W 1% 2K3

Note:

FR25=1/4W, FR50=1/2W, FR100=1W, FR200=2W, FRS300=3WS

The normal packing of FUSIBLE METAL FILM RESISTOR is Tape & Box.

The standard value for 1% is 10 ohm to 1 Meg.

The standard value for 5% is 0 ohm, 1 ohm to 10 Meg.

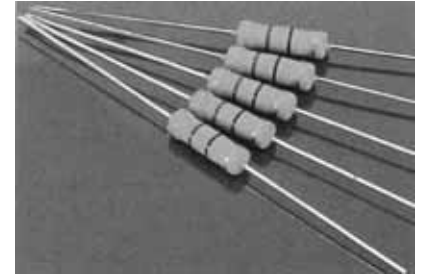
# FUSIBLE METAL FILM RESISTORS

## FR Series

1 / 4 W, 1 / 2 W, 1 W, 2 W,  
FR-25, FR-50, FR-100, FR-200,

### INTRODRCTION

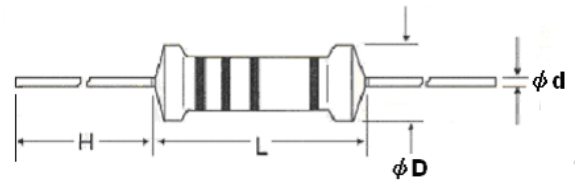
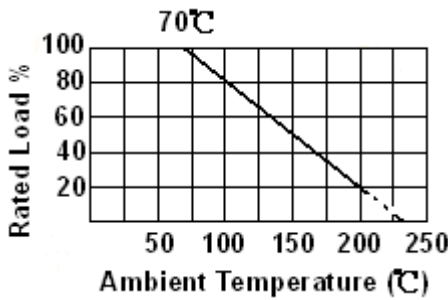
These Fusible Resistors contain both functions as being resistor in normal condition and turned into fuse while abnormal current comes in. The FR series Fusible Metal Film Resistors are manufactured by high thermal conductivity and specific gravity ceramic rods, and are coated with multilayers of green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



### DERATING CURVE

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

### DERATING CURVE



### DIMENSION & SPECIFICATIONS

TYPE	DIMENSION (mm)				POWER RATING	MAXIMUM WORKING	MAXIMUM OVERLOAD	RESISTANCE RANGE	
	L	d	H	D(±0.05)				+2%(G)	+5%(J)
FR-25	6.3±0.5	2.3±0.3	28±2	0.55	1/4W	200	400	4.7 -560	2.2 -560
FR-50	9.0±0.5	3.2±0.5	28±2	0.60	1/2W	250	500	4.7 -560	2.2 -560
FR-100	11.5±1.0	4.5±0.5	35±3	0.80	1W	300	600	4.7 -560	0.27 -560
FR-200	15.5±1.0	5.0±0.5	35±3	0.80	1.8W	350	700	4.7 -560	0.33 -560
FR-300S	15.5±1.0	5.0±0.5	35±3	0.80	3W	350	700	4.7 -560	0.33 -560

Miniature & Other resistance Value on request

### FUSING CHARACTERISTICS

