

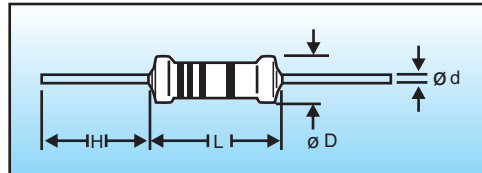
FLAMEPROOF FUSIBLE RESISTORS

Series: MFF / MFFS

Features:

- ▶ Suitable to apply in transistor protection circuit.
- ▶ Small in sizes with low cost.
- ▶ Non combustible insulating coat, solvent proof and excellent application in high temperature.
- ▶ Good TCR ± 200 PPM/ $^{\circ}$ C
- ▶ Uniform in fusing time.
- ▶ Film & wirewound elements available as per requirement.

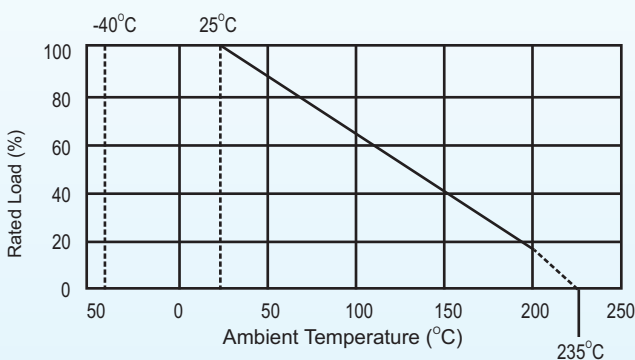
Dimensions :



General Specification :

Style		Dimensions				Resistance	Max Working Voltage	Dielectric Withstanding Voltage
MFF	MFFS	L	D	d	H(MIN)	Range		
1/4 W	1/2W	6.3 ± 0.5	2.3 ± 0.2	0.6 ± 0.02	27	1 Ω ~ 10K Ω	250V	500V
1/2 W	1W	9.5 ± 1	0.5 ± 0.5	0.6 ± 0.02	27	1 Ω ~ 10K Ω	250V	500V
1W	2W	12 ± 1	4.5 ± 0.5	0.8 ± 0.02	27	1 Ω ~ 10K Ω	250V	500V
2W	3W	16 ± 1	5.5 ± 0.5	0.8 ± 0.02	27	1 Ω ~ 10K Ω	250V	500V

Derating Curve :



Fusing Characteristics :

Resistance Range	Fusing Power	
	MFF	MFFS
0.22 Ω ~ 1 Ω	32 x Rated Power	16 x Rated Power
1.1 Ω ~ 2 Ω	25 x Rated Power	16 x Rated Power
2.1 Ω ~ 10 Ω	16 x Rated Power	16 x Rated Power
12 Ω ~ 10K Ω	16 x Rated Power	16 x Rated Power
Fusing Time : within 60 sec		

Note: 1. Same fusing chart for MFF & MFFS series.
 2. Special fusing time according to customers, spec is also available.

Characteristic :

Characteristics	Condition	Spec.
Resistance Temp. Coeff.	- 30 $^{\circ}$ C ~ 150 $^{\circ}$ C	± 200 ppm/ $^{\circ}$ C
Short Time Over Load	2 times of rated voltage for 5 sec.	$\pm 2\%$
Insulation Resistance	500 v megger	1.000M Ω
Temp. Cycle	- 30 $^{\circ}$ C ~ 85 $^{\circ}$ C for 5 cycles	$\pm 1\%$
Load Life	70 $^{\circ}$ C on-off cycle 1,000 hrs.	$\pm 5\%$
Moisture Proof Load Life	40 $^{\circ}$ C 95% RH on-off cycle 1000 hrs	$\pm 1\%$
Solderability	270 $^{\circ}$ C for 3 sec.	smooth & shiny appearance
Incombustibility	16 times of rated wattage for 5 min.	not flamed
Operating Temp.	-40 $^{\circ}$ C ~ 240 $^{\circ}$ C	

* Total resistance change: ($\Delta R\% + 0.05 \Omega$)