

FMF 1/8, 1/4, 1/2, 1, 2

INTRODUCTION

MEGASTAR-OHM series flame-proof type Metal Film Resistors are manufactured by vacuum deposit metal film on high thermal conductivity ceramic rods and are coated with layers of light-blue color flame-proof lacquer. These resistors meet overload tests in accordance with UL specification #1412 without producing a fire hazard. (UL-1412 is the standard for fusing resistors and temperature-limited resistors)

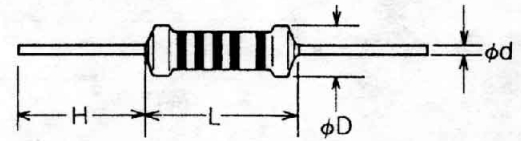
This FMF flame-proof metal film resistor is designed to replace the metal oxide resistors and low power wire wound resistors when flame-proof and small size is needed.

FEATURES

Flame-proof Coating UL-1412
 Power Rating 1/4W, 1/2W, 1W, 2W
 Resistance Tolerance -1%, -2%, -5%
 TCR -50ppm, -100ppm

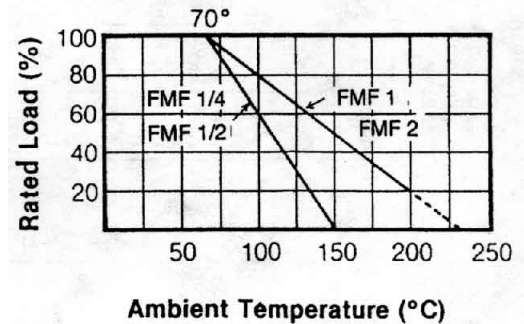
Flame-proof Type

Dimensions



POWER DERATING CURVE

For resistor operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve below.



General Specifications

Type	Power Rating (W)		Dimensions (mm)				Max Working Voltage		Max Overload Voltage	
	70 °C	125 °C	L	D	H(MIN)	d	70 °C	125 °C	70 °C	125 °C
FMF	0.125W	0.05W	3.7±0.4	1.5±0.2	27	0.46±0.02	200	150	400	300
FMF	0.25W	0.1W	6.5±0.5	2.3±0.2	27	0.58±0.02	250	200	500	400
FMF	0.50W	0.125W	9.0±1	3.5±0.5	27	0.65±0.02	350	250	700	500
FMF	1 W	0.25W	12±1.0	4.5±0.5	27	0.80±0.03	500	300	1000	600
FMF	2 W	0.5W	16±1.0	5.5±0.5	27	0.80±0.03	500	350	1000	700

Part Numbering system

FMF

Type
FMF

1/4

Rated Power (@70°C)
1/8W ↓ 2 W

5 %

Resistance tolerance
±5%
±2%
±1%

2K2

Nominal Resistance	
Code	Description
2R2	2.2 OHM s
22R	22 OHM s
2K2	2.2X10 ³ OHM s
22K	22X10 ³ OHM s
22M	22X10 ⁶ OHM s

TR

Packaging	
Code	Description
B	Bulk
TR	Tape & Reel
TB	Tape & Box
PATR	Avisert T/R
PNTR	Panasert T/R

