

Metal Film Resistors - MF0.4WS/MF0.6WS



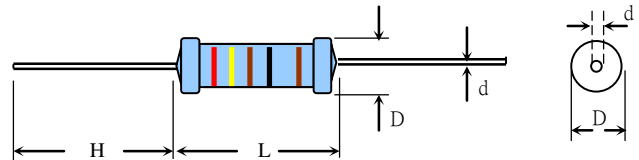
FEATURES

- Power Rating: 0.4W/0.6W at 70°C
- RoHS compliant of full series
- Smaller size of significant space saving
- Standard T.C.: ±50ppm (available 15ppm)
- Standard Tolerance: ±1% (available 0.1% - 5%)
- Standard Value: 10R-1Meg in E24/E96 series
- Body Color: Light blue
- Color band marking
- Flameproof coating available (As FMF type)
- Operating Temperature : -55°C ~+155°C

MATERIAL

- Element: Vacuum-deposited Ni-Cr Alloy
- Core: High purity ceramic Al₂O₃
- Termination: Standard solder-plated cooper wire
- Coating: Epoxy (FMF is grey silicone)

DIMENSION



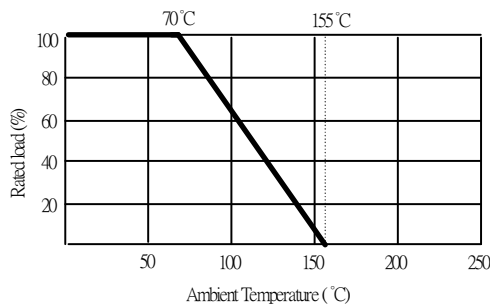
GENERAL SPECIFICATION

TYPE	DIMENSION (mm)				POWER	MAXIMUM WORKING VOLTAGE*	MAXIMUM OVERLOAD VOLTAGE**	RESISTANCE RANGE	
	L	D	H	d ± 0.05				STANDARD 1%	MAXIMUM 1%
MF0.4WS	3.2±0.2	1.6±0.2	28 ±1.0	0.45	0.4W	200V	500V	10R ~ 1M	0.47R ~10M
MF0.6WS	6.0±0.5	2.3±0.3	28 ±1.0	0.55	0.6W	350V	700V	10R ~ 1M	0.47R ~10M

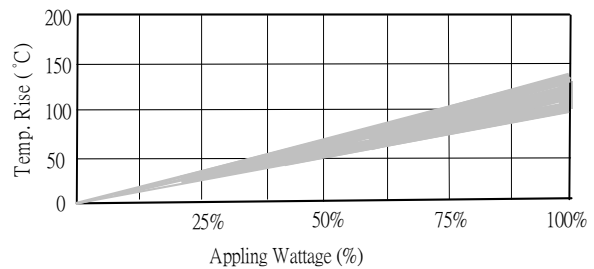
* Maximum working voltage (E) determined by $E=\sqrt{PxR}$, but \leq the value listed in above column.

** Maximum overload voltage determined by 2.5xE, but \leq the value listed in above column.

DERATING CURVE



TEMPERATURE RISE



CHARACTERISTIC

Temperature Coefficient	±50ppm (10R~1M)
Insulation Resistance	10,000MΩ Min.
Load Life (1000 hours)	±1.5% Max.
Shorttime Overload	±0.25% Max.
Temperature Cycling	±0.75% Max.
Moisture Resistance	±1.5% Max.
Shock & Vibration	±0.5% Max.
Effect of Soldering	±0.5% Max.

* Total maximum resistance change is $\Delta R+0.01R$

HOW TO ORDER :

MF0.4WS	10R	F	T
Type MF0.4WS MF0.6WS	Resistance Value 10R = 10Ω 1K2 = 1.2KΩ 1M = 1MΩ	Tolerance J= ±5% G= ±2% F= ±1% D= ±0.5% C= ±0.25% B= ±0.1%	Package B= axial bulk T= tape/box R= tape/ reel Lead-Forming M F MB

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