

Precision Metal Film Fixed Resistor

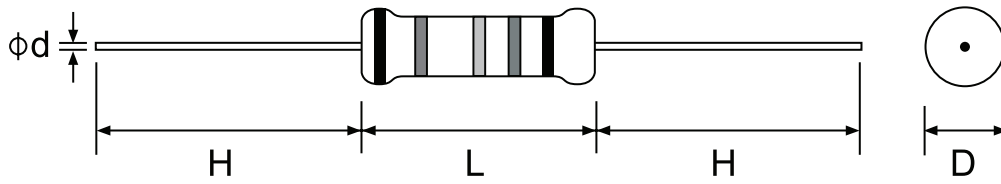


Features

- EIA standard colour-coding
- Non-Flame type available
- Low noise and voltage coefficient
- Low temperature coefficient range
- Wide precision range in small package
- Too low or too high ohmic value can be supplied on a case to case basis
- Nichrome resistor element provides stable performance in various environments
- Multiple epoxy coating on vacuum-deposited metal film provides superior moisture protection

Performance Specification

Temperature Coefficient	: Within the maximum temperature coefficient specified.
Short Time Overload	: $\pm(0.5\% + 0.05\Omega)$ Max. with no evidence of mechanical damage.
Insulation Resistance	: Min. 1,000M Ω
Dielectric Withstanding Voltage	: No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Pulse Overload	: $\pm(1\% + 0.05\Omega)$ Max. with no evidence of mechanical damage.
Terminal Strength	: No evidence of mechanical damage.
Resistance to Soldering Heat	: $\pm(1\% + 0.05\Omega)$ Max. with no evidence of mechanical damage.
Solderability	: Min. 95% coverage
Resistance to Solvent	: No deterioration of protective coating and markings
Temperature Cycling	: $\pm(1\% + 0.05\Omega)$ Max. with no evidence of mechanical damage.
Humidity (Steady state)	: $\pm(2\% + 0.05\Omega)$ Max. with no evidence of mechanical damage.
Load Life in Humidity	: Normal Type : $\pm(1.5\% + 0.05\Omega)$ Max. Non-Flame Type : $\pm(5\% + 0.05\Omega)$ Max.
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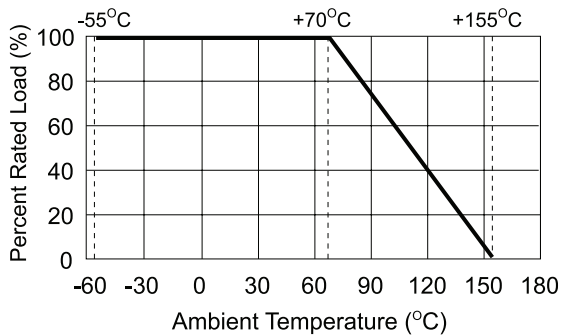
Power Rating at +70°C	Dimension (mm)				
	D Max.	LMax.	H ± 3	d ± 0.05	PT
1/8W (125mW)	1.85	3.5	28	0.45	52

Specification Table

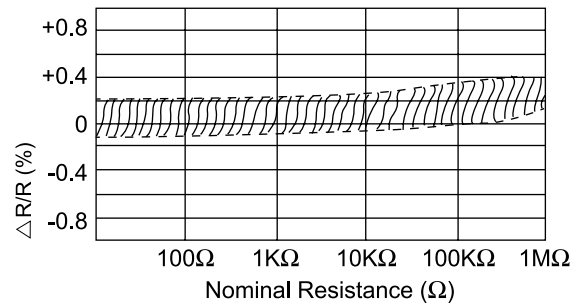
Dielectric Withstanding Voltage (V)	Max. Working Voltage (V)	Max. Overload Voltage (V)	Resistance Tolerance	Temperature Coefficient	Resistance Range
400	200	400	$\pm 1\%$	$\pm 50\text{ppm} / ^\circ\text{C}$	1 Ω to 1M Ω

Dimensions : Millimetres

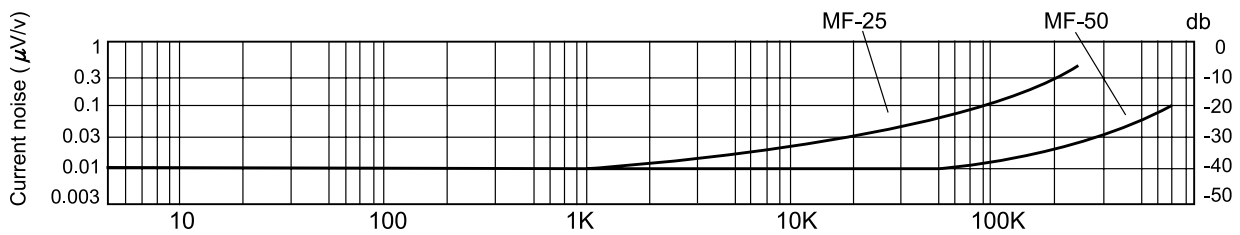
Derating Curve



Derating Curve



Current Noise Level



* Only for your reference