Metal Oxide Resistors (mini-size)

MOF1/2WS TO 5WS

RoHS Compliant

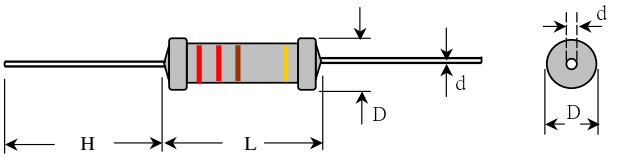
FEATURES

- Save space and money and also replace general purpose wirewound resistor
- Superior electrical performance-commonly used in application with high endurance demands.
- Standard tolerance: ±5%
- Standard value: 0.5R-1Meg in E24 series
- Color band marking, grey body color
- Flameproof coating
- Operating temperature : -55ºC ~+200ºC

MATERIAL

- Element: deposited oxide film
- Core: high purity ceramic Al_2O_3
- Termination: standard solder-plated cooper lead
- Coating: Silicone

DIMENSION



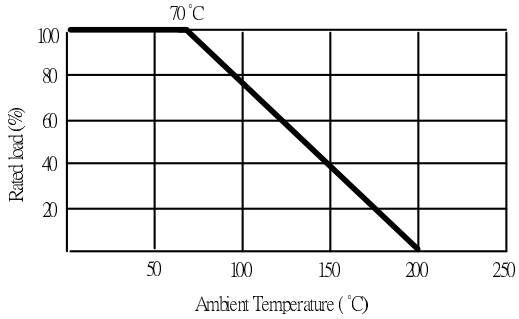
GENERAL SPECIFICATION

TYPE	DIMENSION (mm)				POWER	MAXIMUM VOLTAGE		RESISTANCE
	L	D	H	d ± 0.05	RATING	WORKING *	OVERLOAD **	RANGE ±5%
MOF-50S	6.0±0.5	2.3±0.3	28 ±1.0	0.60	1/2W	350V	500V	0.5Ω~1MΩ
MOF-100S	9.0±0.5	3.0±05	28 ±1.0	0.60	1W	500V	700V	0.5Ω~1MΩ
MOF-200S	11±1.0	4.0±0.5	35 ±3.0	0.80	2W	500V	1000V	0.5Ω~1MΩ
MOF-300S	15±1.0	5.0±0.5	35 ±3.0	0.80	3W	500V	1000V	0.5Ω~1MΩ
MOF-500S	17±1.0	6.0±1.0	35 ±3.0	0.80	5W	500V	1000V	0.5Ω~1MΩ

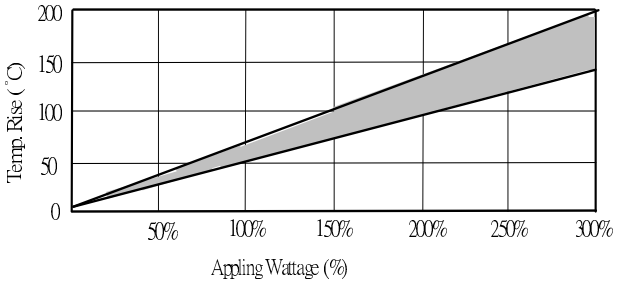
* Maximum Working Voltage determined by $E = \sqrt{PxR}$ where E should not exceed value listed in column above.

** Maximum Overload Voltage equals to 2.5xE, but should not exceed value listed in column above

DERATING CURVE



TEMPERATURE RISE



CHARACTERISTIC

Temperature Coefficient	±200ppm max.
Insulation Resistance	10,000MΩ Min.
Load Life (1000 hours)	<±1% typical, ±3% max
Shorttime Overload	±2.0% Max.
Temperature Cycling	±2.0% Max.
Moisture Resistance	±2.0% Max.
Shock & Vibration	±0.5% Max.
Effect of Soldering	±2.0% Max.

* Total maximum resistance change is ΔR+0.01R

HOW TO ORDER :

MOF1WS	0R5	J	T
Type/Power/size	Resistance Value	Tolerance	Package
MOF1/2WS	0R5 = 0.5Ω	J= ±5%	B=axial bulk
MOF1WS	10R = 10Ω	D=±2%	T=tape/box
MOF2WS	1K2 = 1.2KΩ	F=±1%	R=tape/ reel
MOF3WS	1M = 1MΩ		Lead-Forming
MOF5WS			M
			MK
			MB
			FK

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