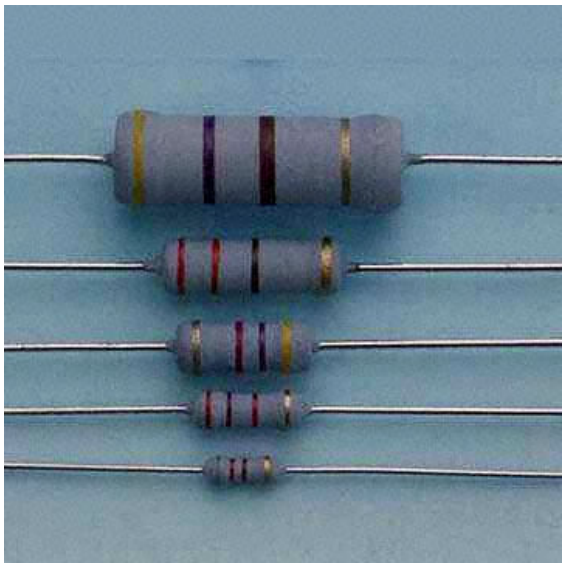
Metal-Oxide Film Resistors



INTRODUCTION

These Metal Oxide Resistors is a thick complex oxide material deposited on ceramic for optimum heat dissipation, negligible inductance, low temperature coefficient, and long-term stability.
These offer excellent performance in applications where stability and uniformity of characteristics are desired.
They also can replace many low power general purpose wire wound applications, saving both money and time.

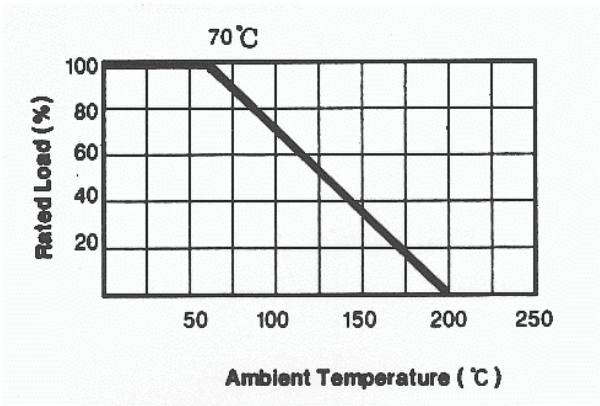
CHARACTERISTIC

Temperature Coefficient	±50ppm Type, ±150 Max
Insulation Resistance	10,000 MΩ Min
Load Life (1,000 hours)	<1%, ±3% Max
Short-time Overload	±0.5% Max
Temperature Cycling	±1.0% Max
Moisture Resistance	±1.0% Max
Shock and Vibration	±0.2% Max
Effect of Soldering	±0.5% Max

FEATURE

- Low cost, prompt delivery
- Excellent long-term stability
- Complete flameproof construction
- High surge/overload capability
- Controlled temperature coefficient
- Wide resistance range: 0.5Ω to 1MΩ
- Standard tolerance ±2%, ±5% (consult factory for 1%)
- Coating and marking resist Trichlorethelyne, Freon and other cleaning agents
- Mini-size available

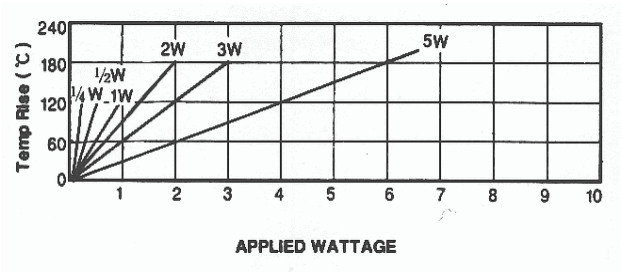
DERATING CURVE



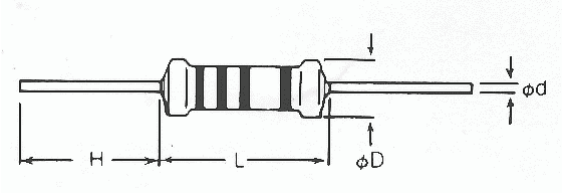
MINIATURE SIZE SERIES
MOF-1/2WS TO MOF-3WS

These resistors are manufactured by a special film process and high grade ceramic cores (mainly from Hoechst Ceramic/German, series T-701/702). The unique structure of these resistive materials also offer improved stability under overload and surge conditions.

TEMPERATURE RISE



DIMENSIONS



GENERAL SPECIFICATIONS

TYPE	L	D	H	d±0.02	POWER RATING	MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE
MOF-1/2S	6.0±0.5	2.3±0.3	28±1	0.60	1/2W	350V	500V	0.5Ω-1MΩ
MOF-1S	9.0±0.5	3.0±0.5	28±1	0.70	1W	350V	500V	0.5Ω-1MΩ
MOF-2S	11±1.0	4.0±0.5	35±3	0.80	2W	500V	700V	0.5Ω-1MΩ
MOF-3S	15±1.0	5.0±0.5	35±3	0.80	3W	500V	1000V	0.5Ω-1MΩ