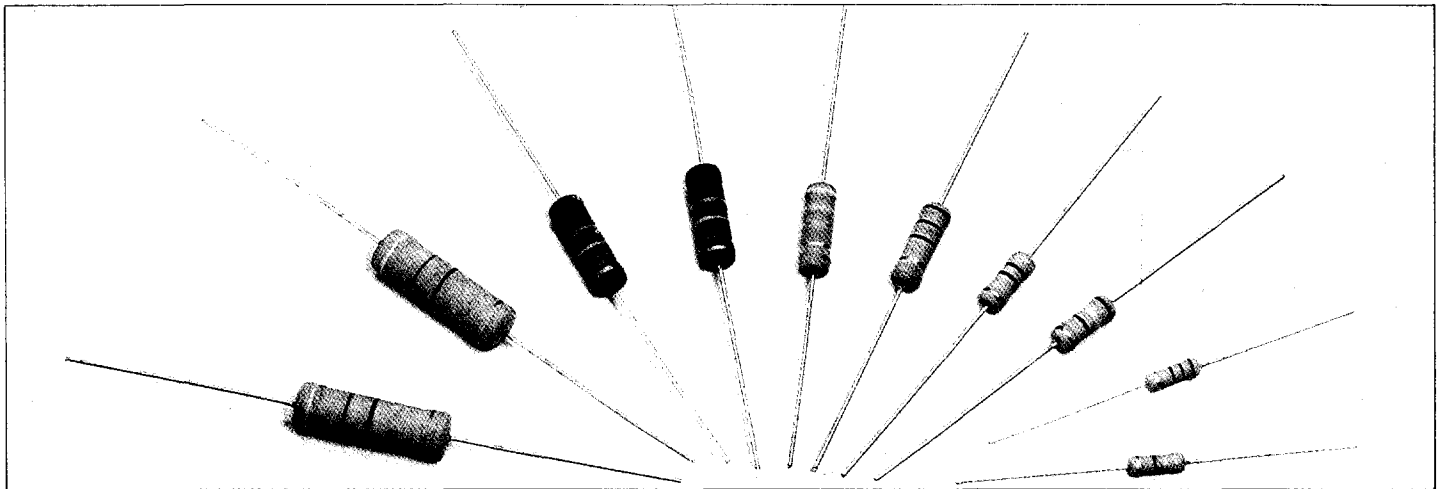


METAL OXIDE FILM RESISTORS



ELECTRICAL SPECIFICATIONS

All measurements are taken at +25°C at 1 KHz and 65% relative humidity, unless otherwise stated.

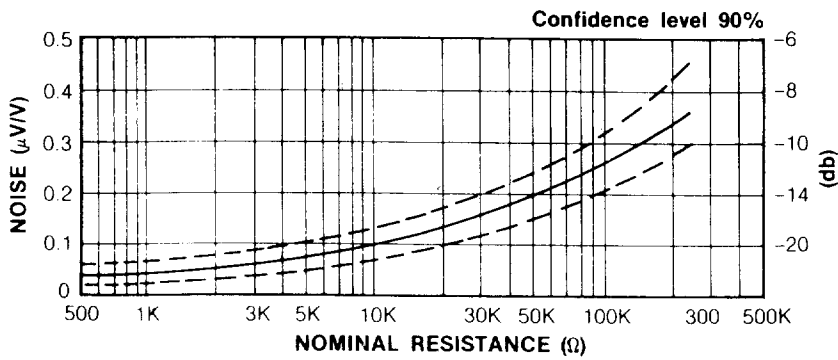
DESCRIPTIONS

These Metal Oxide Resistors offer excellent performance in applications where stability and uniformity of characteristics are desired. They provide lower cost alternatives to Carbon Composition Resistors and General Purpose Metal Films. Metal Oxides also can replace many low power General Purpose wirewound applications, saving both money and time, with shorter delivery cycles. These Metal Oxides 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). These Metal Oxides withstand solvents test in accordance with article Mil-Std-202E without producing mechanical or electrical damage.

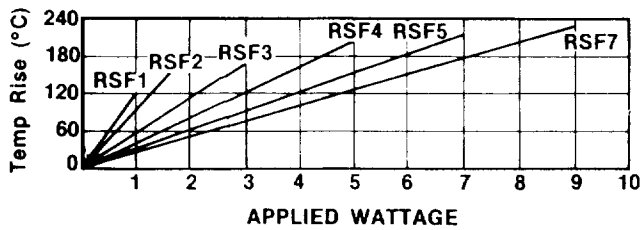
FEATURES

- Low cost, prompt delivery
- High power-to-size ratio for significant space savings
- Excellent long-term stability
- Complete flameproof construction
- High surge/overload capability
- Controlled temperature coefficient
- Non-Inductive design
- Wide resistance range: 0.5Ω to 1MΩ
- Standard tolerance: ±2%, ±5% (consult factory for 1%)
- Coating and marking resist Trichlorethylene, Freon, and other cleaning agents
- Improved stability, dissipation, TCR available. Consult factory

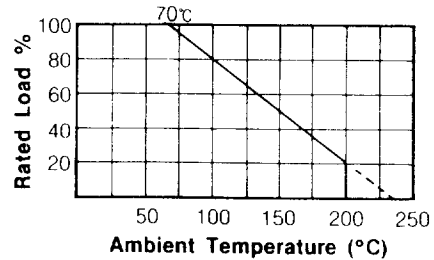
CURRENT NOISE



TEMPERATURE RISE



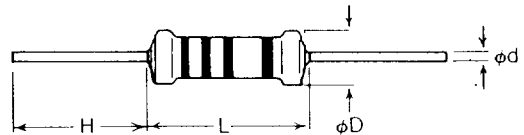
DERATING CORVE



CHARACTERISTIC

Temperature Coefficient	±200 PPM Typ, ±350 Max
Insulation Resistance	10,000 MΩ Min
Load Life (1,000 hours)	< 1% Typ, ±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
Voltage Coefficient	.001%/V
Current Noise	< .1μV/V

DIMENSIONS



GENERAL SPECIFICATION

TYPE	DIMENSION (mm)				POWER RATING	MAXIMUM WORKING VOLTAGE	MAXIMUM OVERLOAD VOLTAGE	RESISTANCE RANGE 2%, 5%, 10%
	L	D	H	d±0.05				
MOF-1/2	9.0±0.5	3.0±0.3	28±1	0.7	1/2W	350V	700	0.5Ω—1MΩ
MOF-1	11±1	4.0±0.5	35±3	0.7	1W	350V	600	0.5Ω—1MΩ
MOF-2	15±1	5.0±0.5	35±3	0.8	2W	350V	600	0.5Ω—1MΩ
MOF-3	17±1	5.5±1.0	35±3	0.8	3W	500V	800	0.5Ω—1MΩ
MOF-5	24±1	8.0±1.0	38±3	0.8	5W	750V	1000	0.5Ω—1MΩ