

METAL OXIDE RESISTORS

MO SERIES

- Flameproof
- Meets overload test of UL#1412
- Meets solvent test of method 215 of MIL-STD-202
- Low cost alternative for power carbon composition and wirewounds

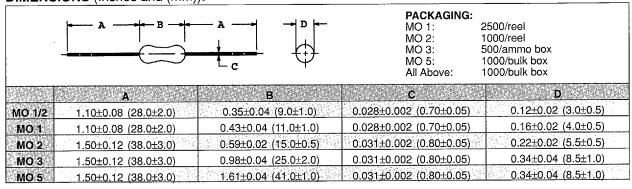
*Manufactured in Japan.



PERFORMANCE CHARACTERISTICS (Tested Per MIL-R-22684 Rev. C):

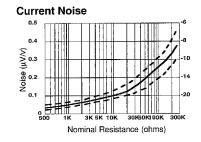
ELECTRICAL	MO 1/2	MO1	MO 2	MO3	MO 5
Power Ratings @ 70°C (watts)	1/2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	3	5
Derated to 0 Load at	200°C	200°C	200°C	200°C	200°C
Maximum Working Voltage (volts)	250	350	350	500	750
Operating Temperature Range	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C
Resistance Range (ohms)	0.1 - 75K	0.1 - 100K	0.1 - 120K	1 - 150K	1 - 180K
Tolerance (±%)	5 and 1	5 and 1	5 and 1	5 and 1	5
Environmental (Operating Tempera	ture Range: -55°C to	5 +200°C)			
Moisture Resistance	±1.5%	±1.5%	±1.5%	±1.5%	±1.5%
Thermal Shock	±1%	±1%	±1%	±1%	±1%
Load Life @ 70°C - 1000 hrs.	±2%	±2%	±2%	±2%	±2%
Shock and Vibration	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Resistance to Soldering Heat	±0.55+0.05Ω	±0.55+0.05Ω	±0.55+0.05Ω	±0.55+0.05Ω	±0.55+0.05Ω
Terminal Strength	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Dielectric Withstand Voltage	400V RMS	700V RMS	700V RMS	800V RMS	800V RMS
Maximum Pulse Voltage	400V	750V	1000V	1500V	1500V
Insulation Resistance	10,000 meg min.	10,000 meg min.	10,000 meg min.	10,000 meg min.	10,000 meg min.
Voltage Coefficient	0.001%/V	0.001%/V	0.001%/V	0.001%/V	0.001%/V
Short Time Overload	$\pm (0.55 + 0.05\Omega)$	$\pm (0.55+0.05\Omega)$	±(0.55+0.05Ω)	$\pm (0.55 + 0.05\Omega)$	$\pm (0.55+0.05\Omega)$

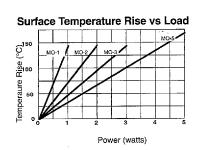
DIMENSIONS (Inches and (mm)):



PERFORMANCE CURVES:

Power - Temperature Derating Poad 08 Ambient Temperature (°C)





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