

MOR Series

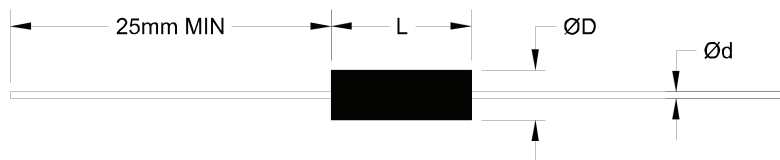
Flame Proof Metal Oxide Resistors



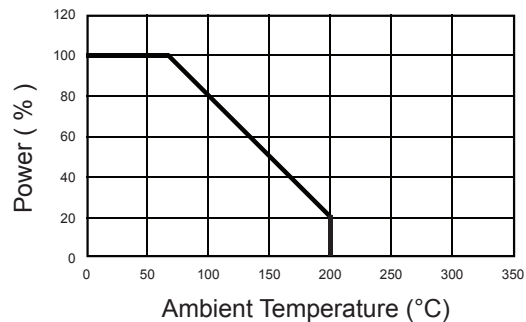
- Resistances from 10 Ohm to 1M Ohms
- Power Rating to 2 Watts
- 5% Tolerance
- Low Noise
- Flame Proof

SPECIFICATIONS

Type	MOR-1	MORS-2
Resistance Range	10Ω to 1M	
Power rating (70°C)	1 W	2 W
Tolerances	5%	5%
Temperature Coefficient	100 - 200 ppm/°C	
Operating Temperature Range	-55 to 200°C	
Dimensions (mm) L ΦD Φd	12.0 ± 1.0 4.5 ± 0.5 0.8 ± 0.05	
Max Operating Voltage	$\sqrt{P \cdot R}$ up to 500VDC	



Power Derating Curve



Ordering Information

Part Description: Part Type - Resistance - Tolerance
MOR 100 10K Ohms 5%

MOR Series

Metal Oxide Resistors



Performance Data

Test	Specification ΔR
Dielectric (1000V 1min)	$\pm 0.5\% + 0.05\Omega$
Load Life (Rated Power, 70°C, 2000hr)	$\pm 5\% + 0.05\Omega$
Temp. Cycling (5 cycles, -65°C, 25°C, 155°C, 25°C)	$\pm 1\% + 0.05\Omega$
Short Time Overload (2.5X Rated Power, 5s)	$\pm 1\% + 0.05\Omega$
Humidity Resistance (40°C, 95%RH, 56 days)	$\pm 5\% + 0.05\Omega$
Solder Heat (260°C, 10s)	$\pm 1\% + 0.05\Omega$
Shock (1Km/s ²)	$\pm 1\% + 0.05\Omega$
Vibration (10 to 2000 Hz)	$\pm 1\% + 0.05\Omega$
Low Temperature Exposure (-65°C, 2hr, 0W)	$\pm 1\% + 0.05\Omega$
High Temperature Exposure (155°C, 16hr, 0W)	$\pm 5\% + 0.05\Omega$
Solderability (Solder Dip, 230°C, 5s)	>95% Coverage
Insulation Resistance (500VDC, 1min)	10G Ohm