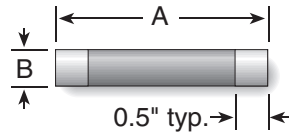


Power-Mox Resistors

Precision Power Thick Film High Voltage/High Resistance Tubular Resistors



The heavy duty construction of the Power-Mox resistors make them durable in most high voltage industrial applications. High voltage ratings, low voltage coefficients, very high ohmic values, and resistor divider options are characteristic. Terminations can be selected to adapt to most mounting schemes.

FEATURES

- Wide resistance ranges
- Outstanding voltage coefficient
- 0.4" diameter ferrule, 0.25"-20 threaded end cap, or radial bands available
- Metal oxide resistive elements

APPLICATIONS

- Power Transmitters
- Pollution Control Systems
- Industrial Control Systems
- Current pulse limiters
- Vacuum and space application

SPECIFICATIONS

Material

Core: Ceramic.

Coating: Varnish

Electrical

Resistance Range:

20K to 1,000,000M

Power Rating: to 75W

Voltage Rating: to 60KV

Operating Temperature:

-65°C to +180°C

Temperature Coefficient:

25ppm: 0° to 85°C;

50ppm -55° to 180°C

Ohmite Series	Resistance Range (Ohms)	Power @25°C	Voltage Rating	Available Tolerances	A ± 0.05	B Max
MOX-F	1K to 800,000M	25W	20KV	0.5, 1, 2, 5	3.0" / 76.2	0.770" / 19.56
MOX-G	1.5K to 1,000,000M	40W	30KV	0.5, 1, 2, 5	4.5" / 114.3	0.770" / 19.56
MOX-H	2K to 1,000,000M	50W	45KV	0.5, 1, 2, 5	6.0" / 152.4	0.770" / 19.56
MOX-J	3K to 1,000,000M	75W	60KV	0.5, 1, 2, 5	8.0" / 203.2	0.770" / 19.56

Some tolerances are not available over the entire resistance range.

ORDERING INFORMATION

Style F, G, H, J E = RoHS compliant Available Jan. 2006

MOX - J - 04 1 0 0 6 F E

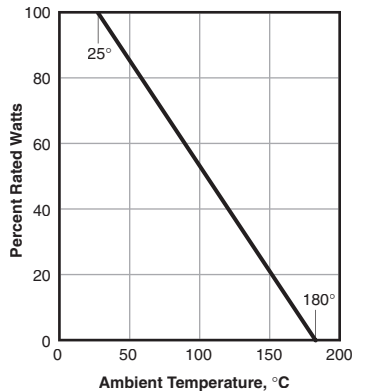
Power Mox Series **Lead** **Ohms** **Tolerance**

01 = Silver termination only First 3 digits are significant; 4th digit is multiplier (# of zeroes to follow). Examples: 10R2 = 10.2 ohms
 02 = Radial band 1000 = 100 ohms
 03 = 0.4" Ferrule 1503 = 150,000 ohms
 04 = 1/4 X 20 threaded Ferrule cap

D = 0.5%
 F = 1%
 G = 2%
 J = 5%
 K = 10%
 M = 15%
 P = 20%

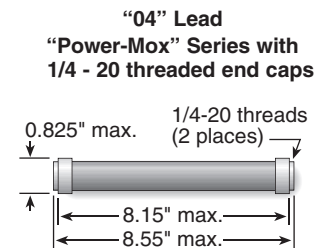
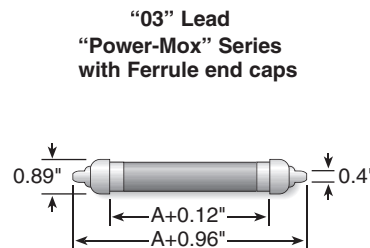
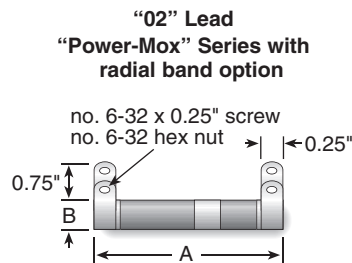
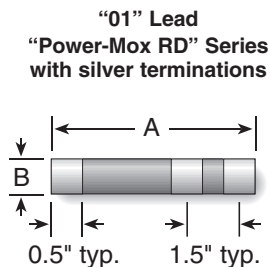
Power-Mox Resistor Dividers

Precision Power Thick Film High Voltage/High Resistance Tubular Dividers



Ohmite Series	Resistance Range (Ohms)	Power @25°C	Voltage Rating	Maximum Ratio	Ratio Tolerances	A ± 0.05	B Max
MOX-FRD	20K to 2,500M	15W	15KV	5,000:1	1, 2, 5%	3.0" / 76.2	0.770" / 19.56
MOX-GRD	20K to 4,000M	30W	25KV	5,000:1	1, 2, 5%	4.5" / 114.3	0.770" / 19.56
MOX-HRD	20K to 6,000M	40W	35KV	5,000:1	1, 2, 5%	6.0" / 152.4	0.770" / 19.56
MOX-JRD	20K to 6,000M	60W	50KV	5,000:1	1, 2, 5%	8.0" / 203.2	0.770" / 19.56

POWER-MOX DRAWINGS WITH ALTERNATE HARDWARE FOR MOUNTING



To specify Power-Mox Dividers, please see our website at:
www.ohmite.com/dividers