Power-Mox
Precision Power Thick Film
High Voltage/High Resistance Tubular Dividers

The heavy duty construction of the Power-Mox series make them durable in most high voltage industrial applications. This product is well known for its high voltage ratings, low voltage coefficients, very high ohmic values, and resistor divider options. 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**

<table>
<thead>
<tr>
<th>Material</th>
<th>Core: Ceramic. Coating: Varnish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
<td></td>
</tr>
<tr>
<td>Resistance Range:</td>
<td>20K to 1,000,000M</td>
</tr>
<tr>
<td>Power Rating:</td>
<td>to 75W</td>
</tr>
<tr>
<td>Voltage Rating:</td>
<td>to 60KV</td>
</tr>
<tr>
<td>Operating Temperature:</td>
<td>-65°C to +180°C</td>
</tr>
<tr>
<td>Temperature Coefficient:</td>
<td>25ppm: 0° to 85°C; 50ppm -55° to 180°C</td>
</tr>
</tbody>
</table>

**Ordering Information**

```
<table>
<thead>
<tr>
<th>Style</th>
<th>Terminals</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOX-F</td>
<td>01 = Silver termination only</td>
<td></td>
</tr>
<tr>
<td>MOX-G</td>
<td>02 = Radial band</td>
<td></td>
</tr>
<tr>
<td>MOX-H</td>
<td>03 = 0.4” Ferrule</td>
<td></td>
</tr>
<tr>
<td>MOX-J</td>
<td>04 = 1/4 X 20 threaded Ferrule cap</td>
<td></td>
</tr>
</tbody>
</table>

Tolerance:
- D = 0.5%
- E = RoHS Compliant
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**Power-Mox Dividers**

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<table>
<thead>
<tr>
<th>Ohmite Series</th>
<th>Resistance Range (Ohms)</th>
<th>Power @25°C</th>
<th>Voltage Rating</th>
<th>Maximum Ratio</th>
<th>Tolerances</th>
<th>A ± 0.05</th>
<th>B Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOX-FRD</td>
<td>20K to 2,500M</td>
<td>15W</td>
<td>15KV</td>
<td>5,000:1</td>
<td>1, 2, 5%</td>
<td>3.0° / 76.2</td>
<td>0.770° / 19.56</td>
</tr>
<tr>
<td>MOX-GRD</td>
<td>20K to 4,000M</td>
<td>30W</td>
<td>25KV</td>
<td>5,000:1</td>
<td>1, 2, 5%</td>
<td>4.5° / 114.3</td>
<td>0.770° / 19.56</td>
</tr>
<tr>
<td>MOX-HRD</td>
<td>20K to 6,000M</td>
<td>40W</td>
<td>35KV</td>
<td>5,000:1</td>
<td>1, 2, 5%</td>
<td>6.0° / 152.4</td>
<td>0.770° / 19.56</td>
</tr>
<tr>
<td>MOX-JRD</td>
<td>20K to 6,000M</td>
<td>60W</td>
<td>50KV</td>
<td>5,000:1</td>
<td>1, 2, 5%</td>
<td>8.0° / 203.2</td>
<td>0.770° / 19.56</td>
</tr>
</tbody>
</table>
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Some tolerances are not available over the entire resistance range.

**Power-Mox Alternate Terminals**

- **“01” Lead**
  “Power-Mox RD” Series with silver terminations
  - 0.5” typ.
  - 1.5” typ.
- **“02” Lead**
  “Power-Mox” Series with radial band option
  - no. 6-32 x 0.25” screw
  - no. 6-32 hex nut
  - 0.25”
- **“03” Lead**
  “Power-Mox” Series with Ferrule end caps
  - 0.89”
  - A+0.12”
  - A+0.96”
  - 0.4”
- **“04” Lead**
  “Power-Mox” Series with 1/4 - 20 threaded end caps
  - 0.825” max.
  - 1/4-20 threads (2 places)
  - A+0.15” max.
  - A+0.55” max.

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