

The Slim-Mox HT resistors allow that extra needed power in high ambient environments, when needed to operate near heat generating components, or under slightly heavier loads. Also made with thick film on Alumina technology, the Slim-Mox HT is finished with a rugged silicone coating suitable for most environments.

FEATURES

- Outstanding voltage coefficient
- High temperature silicone coating
- Low resistor noise
- Noninductive
- Custom configurations are available. Contact your Tech. Sales Rep with your specifications
- RoHS compliant

APPLICATIONS

- HV power supplies
- Medical instrumentation
- Current pulse limiters
- Ionization chambers

SPECIFICATIONS

Material

Resistor: Thick film on Alumina

Electrical

Resistance Range:

100Ω to 5,000M

Power Rating: 0.25W to 9.0W

Voltage Rating: 1.5KV to 25KV

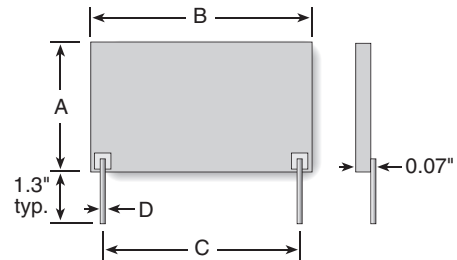
Tolerance: 0.5% to 20%

Operating Temperature:

-55°C to +180°C

Slim-Mox HT Resistors

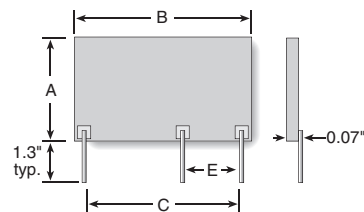
High Temperature Thick Film Precision Resistor



Ohmite Series	Resistance Range (Ohms)	Power @25°C	Voltage Rating	A max. (in/mm)	B max. (in/mm)	C ±0.025 (in/mm)	D ±0.002 (in/mm)
SLIM-MOX100	100Ω to 500M	0.40W	1.5KV	0.20" / 5.08	0.20" / 5.08	0.10" / 2.54	0.025" / 0.635
SLIM-MOX101	100Ω to 1,000M	0.75W	2.0KV	0.25" / 6.35	0.25" / 6.35	0.20" / 5.08	0.025" / 0.635
SLIM-MOX102	200Ω to 5,000M	1.50W	5.0KV	0.25" / 6.35	0.50" / 12.70	0.40" / 10.16	0.032" / 0.813
SLIM-MOX103	250Ω to 5,000M	2.00W	7.5KV	0.25" / 6.35	0.75" / 19.05	0.60" / 15.24	0.032" / 0.813
SLIM-MOX104	500Ω to 5,000M	2.50W	10.0KV	0.25" / 6.35	1.00" / 25.40	0.90" / 22.86	0.032" / 0.813
SLIM-MOX106	750Ω to 5,000M	3.25W	15.0KV	0.25" / 6.35	1.50" / 38.10	1.40" / 35.56	0.032" / 0.813
SLIM-MOX108	1K to 5,000M	4.25W	20.0KV	0.25" / 6.35	2.00" / 50.80	1.90" / 48.26	0.032" / 0.813
SLIM-MOX202	500Ω to 5,000M	2.50W	5.0KV	0.50" / 12.70	0.50" / 12.70	0.40" / 10.16	0.032" / 0.813
SLIM-MOX204	1K to 5,000M	3.25W	10.0KV	0.50" / 12.70	1.00" / 38.10	0.90" / 22.86	0.032" / 0.813
SLIM-MOX206	2K to 5,000M	4.25W	15.0KV	0.50" / 12.70	1.50" / 38.10	1.40" / 35.56	0.032" / 0.813
SLIM-MOX208	2K to 5,000M	5.00W	20.0KV	0.50" / 12.70	2.00" / 50.80	1.90" / 48.26	0.032" / 0.813
SLIM-MOX210	3K to 5,000M	5.75W	25.0KV	0.50" / 12.70	2.50" / 63.50	2.40" / 60.96	0.032" / 0.813
SLIM-MOX306	3K to 5,000M	5.50W	15.0KV	0.75" / 19.05	1.50" / 38.10	1.40" / 35.56	0.032" / 0.813
SLIM-MOX308	4K to 5,000M	6.75W	20.0KV	0.75" / 19.05	2.00" / 50.80	1.90" / 48.26	0.032" / 0.813
SLIM-MOX310	5K to 5,000M	7.50W	25.0KV	0.75" / 19.05	2.50" / 63.50	2.40" / 60.96	0.032" / 0.813
SLIM-MOX404	3K to 5,000M	5.00W	10.0KV	1.00" / 25.40	1.00" / 25.40	0.90" / 22.86	0.032" / 0.813
SLIM-MOX408	5K to 5,000M	8.25W	20.0KV	1.00" / 25.40	2.00" / 50.80	1.90" / 48.26	0.032" / 0.813
SLIM-MOX410	5K to 5,000M	9.00W	25.0KV	1.00" / 25.40	2.50" / 63.50	2.40" / 60.96	0.032" / 0.813

Call factory for custom configurations.

Slim-Mox HT RD resistor dividers complete the Slim-Mox family with the high temperature divider configuration. These resistors are useful wherever multiple voltage drops are needed in a circuit. Designed to customer specifications, the Slim-Mox HT RD resistor utilizes our thick film on alumina technology to offer flexible termination schemes.



Slim-Mox HT Dividers

High Temperature Thick Film Voltage Divider

A complete description of the SLIM-MOX Divider is required. EXAMPLE:

$R_T = 500\Omega$ 5%
 $R_1 = 499.5M\Omega$ 5%
 $R_2 = 500K\Omega$ 1%

Ratio = $R_T / R_2 = 1,000:1$, 1%

To specify Slim-Mox Dividers, please see our website at:

www.ohmite.com/dividers

FEATURES

- High Temperature Operation
- RoHS compliant

SPECIFICATIONS

Material

Resistor: Thick film on Alumina

Electrical

• **Ratio tolerances:** 0.5% to 5%

• **Temp. coefficient tracking:** TCR tracking to 10ppm and VCR tracking to 1ppm

• Custom ratios and lead configurations are available. Contact your Tech. Sales Rep with your specification.

Ohmite Series	Resistance Range (Ohms)	Power @25°C	Voltage Rating	Maximum Ratio	C ±0.025 (in/mm)	E ±0.025 (in/mm)
SLIM-MOX103RD	1M to 5,000M	1.25W	5.0KV	5,000 : 1	0.60" / 15.24	0.20" / 5.08
SLIM-MOX104RD	1M to 5,000M	1.50W	10.0KV	5,000 : 1	0.90" / 22.86	0.20" / 5.08
SLIM-MOX106RD	1M to 5,000M	2.50W	12.0KV	5,000 : 1	1.40" / 35.56	0.20" / 5.08
SLIM-MOX108RD	1M to 5,000M	3.25W	15.0KV	5,000 : 1	0.90" / 22.86	0.60" / 15.24
SLIM-MOX204RD	1M to 5,000M	2.50W	10.0KV	5,000 : 1	0.90" / 22.86	0.20" / 5.08
SLIM-MOX206RD	1M to 5,000M	3.25W	12.0KV	5,000 : 1	1.40" / 35.56	0.20" / 5.08
SLIM-MOX208RD	1M to 5,000M	4.25W	20.0KV	5,000 : 1	1.90" / 48.26	0.40" / 10.16
SLIM-MOX210RD	1M to 5,000M	5.00W	25.0KV	5,000 : 1	2.40" / 60.96	0.20" / 5.08
SLIM-MOX306RD	1M to 5,000M	4.50W	12.0KV	5,000 : 1	1.40" / 35.56	0.30" / 7.62
SLIM-MOX308RD	1M to 5,000M	5.00W	20.0KV	5,000 : 1	1.90" / 48.26	0.30" / 7.62
SLIM-MOX310RD	1M to 5,000M	5.75W	25.0KV	5,000 : 1	2.40" / 60.96	0.20" / 5.08
SLIM-MOX408RD	1M to 5,000M	6.75W	20.0KV	5,000 : 1	1.90" / 48.26	0.30" / 7.62
SLIM-MOX410RD	1M to 5,000M	7.50W	25.0KV	5,000 : 1	2.40" / 60.96	0.20" / 5.08

Call factory for custom configurations.