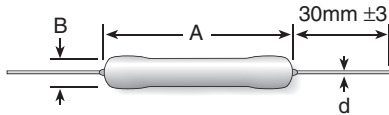


Mini-Mox-E Resistors

RoHS Compliant
Precision Thick Film Axial Lead
High Voltage/High Resistance Resistors



Ohmite Series	Resistance Range (Ohms)	Power @25°C	Voltage Rating	Available Tolerances*	A ±0.5mm (in/mm)	B ±0.5mm (in/mm)	d ±0.05mm (in/mm)
MOX200	100K to 1,500M	0.25W	500V	0.1% to 20%	0.26" / 6.5	0.09" / 2.2	0.02" / 0.6
MOX300	100K to 2,500M	0.50W	1,000V	0.1% to 20%	0.35" / 9	0.13" / 3.3	0.03" / 0.65

*Some tolerances are not available over the entire resistance range.

STANDARD TEMP. COEFFICIENT OF RESISTANCE

Series	100 PPM/°C	200 PPM/°C	300 PPM/°C
MOX200	100K-100MΩ	101M-1000MΩ	1001M-1500MΩ
MOX300	100K-100MΩ	101M-1000MΩ	1001M-2500MΩ

AVAILABLE TOLERANCES

Tolerance	Maximum Value Available MOX200	Maximum Value Available MOX300
0.10%	10MΩ	10MΩ
0.25%	20MΩ	20MΩ
0.50%	30MΩ	30MΩ
1%-20%	1500MΩ	2500MΩ

PERFORMANCE DATA

Characteristic	Test Method	Specification
Short time overload		±0.5% max.
Resistance to soldering heat		±0.5% max.
Temperature cycling		±0.5% max.
Withstanding voltage		±0.5% max.
Insulation resistance		10,000MΩ or more
Moisture resistance		±1.5% max.
Load life		±2% max.

ORDERING INFORMATION

RoHS Compliant

MOX200001003FE

<p>Mini Mox E Series MOX-20000 or MOX-30000</p>	<p>Ohms First 3 digits are significant; 4th digit is multiplier (# of zeroes to follow). Examples: 10R2 = 10.2 ohms 1000 = 100 ohms 1503 = 150,000 ohms</p>	<p>Tolerance B = 0.10% C = 0.25% D = 0.5% F = 1% G = 2% J = 5% K = 10% M = 15% P = 20%</p>
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FEATURES

- RoHS compliant
- Wide resistance ranges
- Epoxy coating
- Metal oxide resistive element

APPLICATIONS

- Avionics
- Medical electronics
- High gain feedback applications
- Current pulse limiters
- Vacuum and space application

The Mini-Mox-E resistor is very versatile, covering a wide resistance range as well as a wide range of operating voltages. Provided with tolerances down to 1%, the Mini-Mox-E resistor works well in precision circuits.

SPECIFICATIONS

Material
Resistor: Metal Oxide
Coating: Epoxy
Core: Alumina
Terminals: Solder-coated axial lead

Electrical
Resistance Range:
 100K to 1,500MΩ
Power Rating: 0.25W to 0.5W
Voltage Rating: 500V to 1,000V
Tolerance: 0.1% to 20%
Operating Temperature:
 -55°C to +125°C
Max. Overload Voltage:
 1,000V (MOX200)
 1,500V (MOX300)
Max. Pulse Voltage:
 1,500V (MOX200)
 3,000V (MOX300)

DERATING

