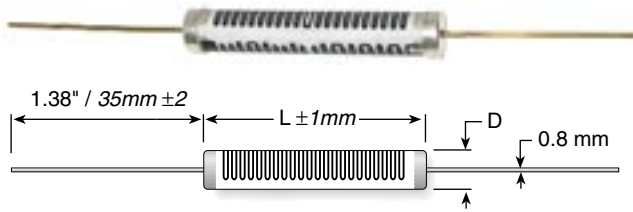


Super Mox Series

High Voltage Resistors



Series	Power Rating (W)	Max. Oper. Voltage	Res. Range (Ω)	Max. VCR*	Dimensions (in./mm)	
					L	D
MOX910	3.80	15,000	1K-500M 500M-5G	0.40 0.75	1.07/27.00	0.32/8.00
MOX920	5.00	21,000	1K-1G 1G-10G	0.20 0.40	1.46/37.00	0.32/8.00
MOX930	7.50	30,000	1K-1G5 1G5-15G	0.15 0.30	2.05/52.00	0.32/8.00
MOX940	10.00	45,000	1K-2G5 2G5-25G	0.10 0.15	3.03/77.00	0.32/8.00
MOX950	13.50	60,000	1K-3G 3G-30G	0.08 0.12	4.02/102.00	0.33/8.30
MOX960	16.00	72,000	1K-4G 4G-40G	0.06 0.10	4.80/122.00	0.34/8.50
MOX970	20.00	90,000	1K-5G 5G-50G	0.04 0.08	5.98/152.00	0.34/8.50

* typical values, contact factory for details

ORDERING INFORMATION

Coating conformal silicone standard		E = RoHS compliant	
MOX91021006JTE			
Super Mox Series see chart for wattage	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	Tolerance A = 0.05% B = 0.10% C = 0.25% D = 0.5% F = 1% G = 2% J = 5% K = 10%	TCR T = 100ppm V = 50ppm W = 25ppm X = 15ppm Y = 10ppm Z = 5ppm

High-voltage Super Mox resistors have been developed to meet the precision temperature stability requirements of high-accuracy and high-voltage systems, combining proprietary non-inductive resistance system and design to achieve low temperature coefficient, low voltage coefficients, high stability and increased high operating voltages. Super Mox low-TC precision high-voltage resistors are designed to meet the demanding requirements of high voltage power supplies, electron microscopes, X-ray systems, high resolution CRT displays and geophysical instruments.

SPECIFICATIONS

Resistance Range: from 1KΩ to as high as 100GΩ on all models (to 1TΩ on request)

Tolerances: 0.05%, 0.1%, 0.25%, 0.5%, 1%, 2%, 5%, 10% (0.05% avail. to 10G, 0.25% to 100G, other on request)

Temperature Coefficients: 5, 10, 15, 25, 50 and 100ppm/°C (10ppm/°C available to 10G, 25ppm/°C to 100G, other on request)

Encapsulation: Silicone Conformal Coating

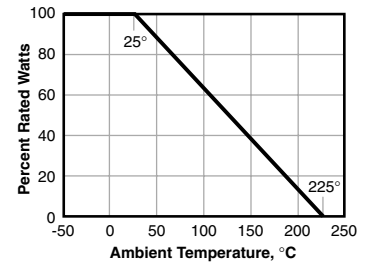
Lead Material: Gold Plated

Core Material: Al₂O₃ (96%)

Resistor Material: Ruthenium Oxide

Operating Temperature: -55-225°C (extended temperature range to 350°C available)

DERATING



PERFORMANCE DATA

Insulation Resistance	>10,000 MΩ	500 Volt 25 °C 75% relative humidity
Dielectric Strength	>1,000 Volt	25 °C 75% relative humidity
Thermal Shock	Δ R/R < 0.1% typ., 0.20% max.	MIL Std. 202, method 107 Cond. C (IEC 68 -2 -14)
Overload	Δ R/R < 0.1% typ., 0.25% max.	1,5 x P _{nom} , 5 sec (do not exceed max. voltage)
Moisture Resistance	Δ R/R < 0.1% typ., 0.25% max.	MIL Std. 202, method 106 (IEC 68 -2 -3)
Load Life	Δ R/R < 0.1% typ., 0.25% max.	1000 hours at rated power (IEC 115 -1)