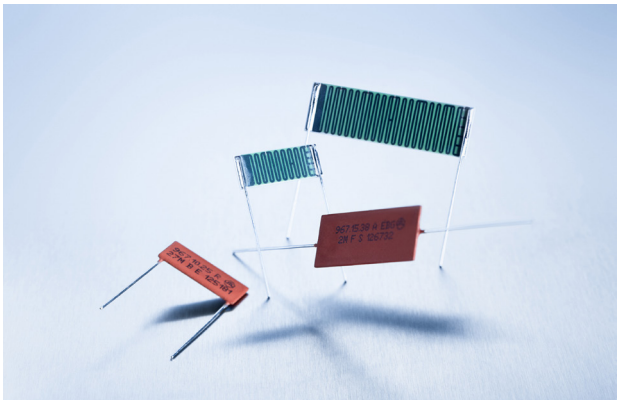
Series MTX 967

TC of ±10 ppm/°C to ±200 ppm/°C, different coatings available

Good temperature and voltage coefficients, high resistance values and high voltage capability.

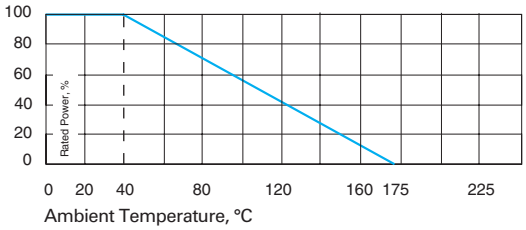


Features

- up to 35 kV operating voltage
- Tolerance range ±10 % to ±0.1 %
- Ohmic range 10 Ω to 30 GΩ (depending on model no.)
- Non-Inductive design
- ROHS compliant

Technical Specifications

Resistance value	10 Ω to 30 GΩ (depeding on model no., ask for details)
Resistance tolerance	±0.1 % to ±10 %
Temperature coefficient	±15 ppm/°C to ±200 ppm/°C (at 85°C ref. to +25°C) other TCR on special request for limited ohmic values
Max. operating temperature	-55 to +175°C
Dielectric strength	> 1000 V (25°C, 75% relative humidity)
Insulation resistance	> 10,000 M (500 V, 25°C, 75% relative humidity)
Overload	ΔR/R 0.25 % max. 1.5x Pnom, 5 s. (do not exceed 1.5x V max.)
Load Life	ΔR/R 0.25 % max.
Moisture resistance	ΔR/R 0.25 % max.
Thermal shock	ΔR/R 0.2 % max.
Encapsulation	**silicone conformal (U) or glass coating (G)** other coatings with different dielectric strengths available on special request
Lead material	tinned copper
Weight	depending on model no. (ask for details)



How to make a request

Model no. A or R_U or G_Ohmic Value_ Tolerance_TCR

A = Axial
R = Radial

U = Silicone conformal coating
G = Glass coating

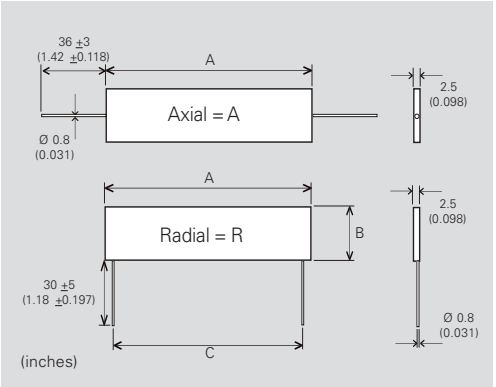
For example:
MTX 967.3.25 RG 56M 5% 100ppm or
MTX 967.15.15 AU 1G 1% 100ppm

Model Specifications

Dimensions in mm

Model no.	P Wattage	V kV DC	A (± 1)	B (± 1)	C
967.3.25	1	8	25.4	3.8	22.9
967.3.38	1.5	10	38	3.8	35.7
967.5.13*	1	5	12.7	5.0	10.2
967.5.51	2	20	50.8	5.0	48.3
967.10.25	2	10	25.4	10.0	22.9
967.10.51	3	30	50.8	10.0	48.3
967.15.38	3	15	38	15.0	35.7
967.15.51	4.5	30	50.8	15.0	48.3
967.15.76	5.5	35	76.2	15.0	73.4
967.25.99	10	35	101.6	24.0	98.6

*Pins: L = 9 + 1 mm ⏍ 0.6 x 0.35 mm



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