

Series MTX 969

Up to 96 kV and 105 W

A Miba Group Company

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The MTX 969 resistor series is designed for use in voltage dividers, medical equipment, electrostatic devices, measuring equipment and current limiting devices where high stability, low TCR, high ohmic values and high short-term loads are required.

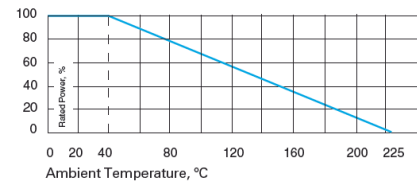
Features

- up to 96 kV operating voltage
- Tolerance range $\pm 0.1\%$ to $\pm 10\%$
- Ohmic range $2\ \Omega$ to $25\ G\Omega$
- Non-Inductive design
- ROHS compliant



Technical Specifications

Resistance value	$2\ \Omega \leq 25\ G\Omega$ (see model specifications)
Resistance tolerance	$\pm 0.1\%$ to $\pm 10\%$
Temperature coefficient	$\pm 10\ \text{ppm}/^\circ\text{C}$ to $\pm 200\ \text{ppm}/^\circ\text{C}$ (at $+85^\circ\text{C}$ ref. to $+25^\circ\text{C}$) lower TCR on special request for limited ohmic values
Max. Operating temperature	-55°C to $+225^\circ\text{C}$
Dielectric strength	$> 1,000\ \text{V}$ (25°C , 75% relative humidity)
Load life	$\Delta R/R$ 0.5% max., 1,000 hours at rated power
Moisture resistance	$\Delta R/R$ 0.25% max.
Thermal shock	$\Delta R/R$ 0.25% max.
Encapsulation	standard coating: silicone conformal we recommend 2xpolyimide coating for use in oil and potted applications (ask for details) other coatings available on special request
Lead material	caps, nickel-plated
Torque	1.8 Nm to 2 Nm for M4, 3.8 Nm to 4 Nm for M8
Weight	depending on model no. (ask for details)



How to make an order

Model no._Ohmic Value_Tolerance_TC

For example:
MTX 969.105 12M 10% 100ppm

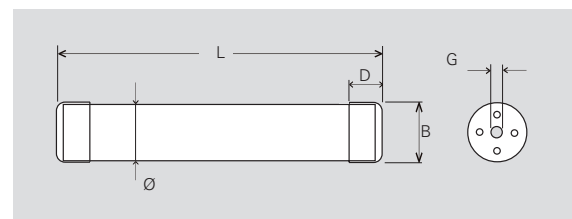
Example for optional coating
MTX 969.71 100M 0.1% 100ppm
2xpolyimide coating

Model Specifications

Model no.	P Wattage 40 °C	V Voltage kV DC	Resistance values		
			Tolerance 2% - 10% TC ppm / °C 150, 200	Tolerance 0.5 - 10% TC ppm / °C 50, 100	Tolerance 0.1 - 10% TC ppm / °C 15, 25
969.11	11	24	500 R - 5 G	500 R - 1 G	50 K - 500 M
969.23	23	48	700 R - 10 G	700 R - 10 G	100 K - 1 G
969.54	54	48	2 R - 10 G	2 R - 1 G	100 K - 1 G
969.71	71	64	20 R - 15 G	20 R - 1.5 G	100 K - 1.5 G
969.105	105	96	80 R - 25 G	80 R - 2 G	100 K - 2 G

Model no.	L	B	Ø	D	G
969.11	81 ± 1	14.5 ± 0.2	13.5 ± 0.5	10 ± 0.2	M4
969.23	156 ± 2	14.5 ± 0.2	13.5 ± 0.5	10 ± 0.2	M4
969.54	160 ± 2	31.5 ± 0.2	30.5 ± 0.5	18 ± 0.2	M8
969.71	210 ± 2.5	31.5 ± 0.2	30.5 ± 0.5	18 ± 0.2	M8
969.105	308 ± 3.5	31.5 ± 0.2	30.5 ± 0.5	18 ± 0.2	M8

Dimensions in mm



The above spec. sheet features our standard products. For further options please contact our local EBG representative or contact us directly.