

Precision High Voltage Resistors

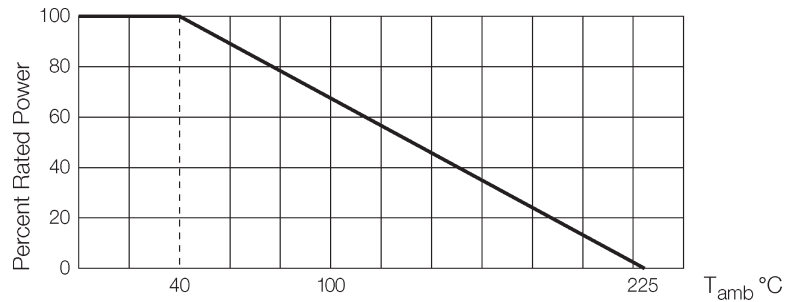
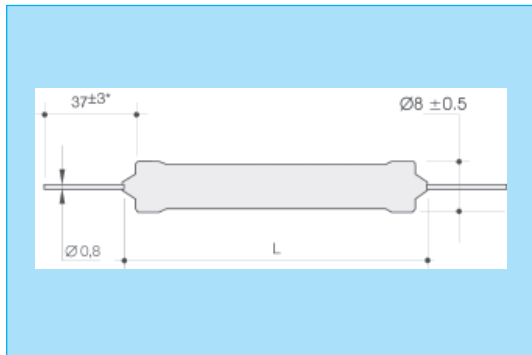
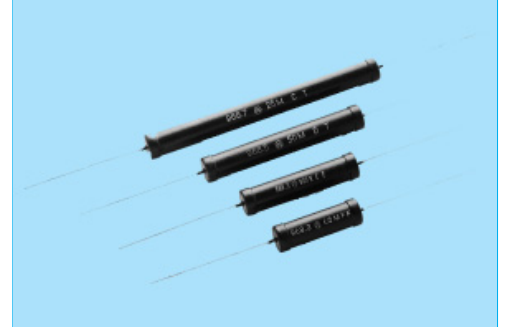
Series MTX 968

Precision High Voltage Resistors with wide Ohmic Range (400Ω-30GΩ)

The MTX 968 resistor series is designed for the usage in voltage dividers, medical equipment, electrostatic devices, measuring equipment, current limiting devices, where high stability, low TCR, high ohmic values and high short-term loads are required.

Specifications:

- Resistance Tolerance: $\pm 0.1\%$ to $\pm 10\%$
- Temperature Coefficient: $\pm 15\text{ppm}/^\circ\text{C}$ to $\pm 200\text{ppm}/^\circ\text{C}$
- Load Life: $\Delta R/R$ 0.5% max., 1000 hours at rated power
- Dielectric Strength: $> 1000\text{V}$ (25°C, 75% relative humidity)
- Thermal Shock: $\Delta R/R$ 0.25% max.
- Moisture Resistance: $\Delta R/R$ 0.25% max.
- Operating Temperature: -55°C to $+225^\circ\text{C}$
- Encapsulation: Conformal coating
- Lead Material: Gold plated copper wire



Type	P 40 °C Watt	U KVdc	Resistance Ranges				L mm
			Tolerance 1 – 10% TC ppm / °C 200	Tolerance 0.5 – 10% TC ppm / °C 100	Tolerance 0.25 – 10% TC ppm / °C 50	Tolerance 0.1 – 5% TC ppm / °C 25, 15	
968.2	3.8	9	400 R – 10 G	400 R – 1 G	400 R – 1 G	60K – 500 M	27 ±1
968.3	5	12	500 R – 15 G	500 R – 1.5 G	500 R – 1.5 G	80K – 750 M	37 ±1
968.5	7.5	18	900 R – 20 G	900 R – 2 G	900 R – 2 G	120K – 1 G	52 ±1
968.7	10	24	1.2 K – 30 G	1.2 K – 3 G	1.2 K – 3 G	180K – 1.5 G	78 ±1.5
968.10	12.5	36	1.7 K – 30 G	1.7 K – 4 G	1.7 K – 3 G	240K – 2 G	103 ±1.5
968.12	15	42	2.6 K – 30 G	2.6 K – 5 G	2.6 K – 3 G	300K – 2 G	128 ±2
968.15	17	54	3.2 K – 30 G	3.2 K – 6 G	3.2 K – 3 G	350K – 2 G	153 ±2

In the above spec sheet, you will find our standard product, please contact your local manufacturing representative or call us direct to find out details of other options available regarding this style: