

## High-Power Water-Cooled Resistor

### Series MTX 969W

High-Power Water-Cooled Single Resistors and Voltage Dividers up to 1,700 W!

Our resistor series 969W is designed for use in high-power applications. Direct water cooling renders these resistors suitable for a very high continuous power load.

Easy M4 mounting, wide ohmic range, precise tolerance and temperature coefficient values as well as high dielectric strength capability are only some of the features of this resistor series. There is also an option for voltage dividers!

#### Specifications

- Standard resistance values: 0.5 Ω to 10 MΩ
- Resistance tolerance: ±5%, ±10% (standard)
- Temperature coefficient: ±100 ppm/°C (standard) ≤10 R; + 250 ppm/°C. Specified TCR granted at +85°C related to room temp. +25°C! (Others upon special request!)
- Inductivity: 80–100 nH typical
- Isolation voltage: 10 kV DC (between Contact 1 and Isolation Contact) - for 969-W and 969-W-L; 3 kV DC for 969-W-S
- Cooling medium: must be non-conductive (e.g., distilled water or distilled water-glycol mixture)
- Connecting type of cooling medium: 6 mm-tube (other connections upon request)
- Max. cooling medium pressure: 10 bar
- Contact material: CrNi (stainless)



Type	P max	U max	L	L1	L2
969W-S	500 W	5 kV DC	117	100	5
969W	1000 W	7 kV DC	195	178	15
969W-L	1700 W	10 kV DC	337	320	15

(max. Power at cooling medium temp. < 50°C, flow > 7 l/min.)

If (power-) resistors are used in an enforced cooling application, coolant flow may not be interrupted!

