

Series MTX 969W

High Power Watercooled Single Resistors and Voltage Dividers up to 1700 Watts!

Our resistor series 969W is designed for usage in high power applications.

Due to the direct watercooling these resistors are good for a very high continuous power load.

The easy M4 mounting, wide ohmic range, precise tolerance and temperature coefficient values as well as a high dielectric strength capability are only some of the features of this resistor series. Also voltage dividers are possible!

Specifications:

- Standard Resistance Values: 0.5Ω to 10MΩ
- Resistance Tolerance: ±5%, ±10% (standard)
- Temperature Coefficient: ±100ppm/°C (standard) ≤ 10R: ± 250ppm/°C
- Inductivity: 80 - 100 nH typical
- Isolation Voltage: 10kV DC (between Contact 1 and Isolation Contact)
-valid for 969-W and -W-L
3kV DC for 969 W-S
- Cooling medium has to be non-conductive (e.g. Distilled Water or Distilled Water - Glycol mixture)
- Connecting type of cooling medium: 6mm tube (other connections on request)
- Max. Cooling medium pressure: 10 bar
- Contactmaterial: CrNi (stainless)



Specifications:

Dimensions (mm)

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

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

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

