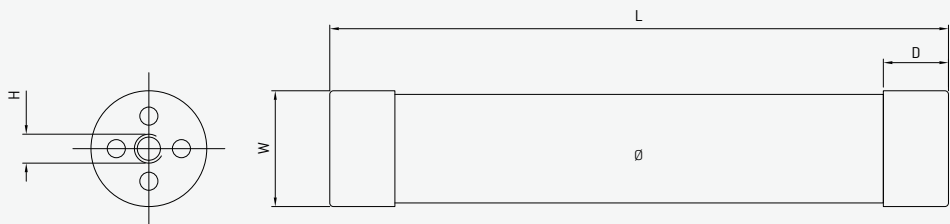


HIGH VOLTAGE RESISTORS HVR 969



Thick-film high voltage resistors of this type series are especially well-suited for measuring and testing tasks under very high voltages or for use as protective resistors. Whether for high voltage pulses or for registering constant high voltages – with our HVR basic program we offer the ideal solution for all applications in high voltage engineering, energy transmission, insulation testing and traffic engineering.



- Round designs
- Pulse-proof
- Low inductance

GENERAL TECHNICAL SPECIFICATIONS

Resistance values, standard	10 K, 100 K, 1 M, 5 M, 10 M, 25 M, 50 M, 100 M, 1 G, 2 G, 5 G*
Tolerance	1 % [0.5 % to 20 %]*
Temperature coefficient	100 ppm/°C [25 ppm/°C to 200 ppm/°C]*
Voltage coefficient	<2 ppm/V
Insulation resistance	10,000 MΩ [500 V 25 °C 75 % relative humidity]
Dielectric strength of the insulation	>1,000 V [25 °C 75 % relative humidity] ΔR/R 0.25 % max.
Thermal shock	ΔR/R 0.25 % max.
Overload capacity	1.5 x P[nom], 5s [not 1.5 x V[max]]
Moisture resistance	ΔR/R 0.25 % max.
Long-term stability	ΔR/R 0.25 % max.
Temperature range (operation / storage)	– 55 °C to +175 °C [– 55 °C to +100 °C]
Cover	Epoxy-based varnishes [glass, silicone-based encasing]
Connection type	Brass caps with inner thread M4 / M8

Depending on ambient conditions, the characteristics of resistors can change. We recommend a suitability test under operational conditions.

* Other values upon request.

