RESENSO

Sensoren und industrielle Regelungstechnik

High Voltage Resistor „Precision“

HVR 969

Features

- high adiabatic impulse
- high stability
- low inductive

Applications

- Voltage divider
- Measuring resistor
- Electrostatic
- Protection resistor

Characteristics

Operating temperature	- 55°C ... + 225°C
Temperature coefficient	10 ... 200 ppm/°C
Tolerance	10 ... 0,1 %
Insulation resistance	> 10.000 MΩ 500 V 25°C 75 % relative humidity
Dielectric strength	> 1.000 V 25°C 75 % relative humidity
Thermal shock	Δ R/R 0,2% max …MIL Std. 202, meth. 107Cond. C. IEC 68-2-14
Overload	Δ R/R 0,25% max..1,5xP_{Nom}, 5sec (do not exceed 1,5xV max)
Moisture resistance	Δ R/R 0,25 % max … MIL Std. 202, method 106 ... IEC 68-2-3
Load life	Δ R/R 0,25 % see diagram 1000 h. at rated power IEC 115-1
Encapsulation	conformal coating
Terminal	brass caps

Design

Type	P40°C Watt	U KV dc	Tolerance 2 ... 10 % TC ppm/°C 150, 200	Tolerance 0,5 % ... 10 % TC ppm/°C 50, 100	Tolerance 0,5 % ... 20 % TC ppm/°C 15,25
969.11	11,0	24	500 R ... 5 G	500 R ... 1 G	50 K ... 5 00 M
969.23	23,0	48	700 R ... 10 G	700 R ... 1 G	100 K ... 1 G
969.54	54,0	48	2 R ...10 G	2 R ... 1 G	100 K ... 1 G
969.71	71,0	64	20 R ... 15 G	20 R ... 1,5 G	100 K ... 1,5 G
969.105	105,0	96	80 R ... 25 G	80 R ... 2 G	150 K ... 2 G

Specifications subject to change without notice

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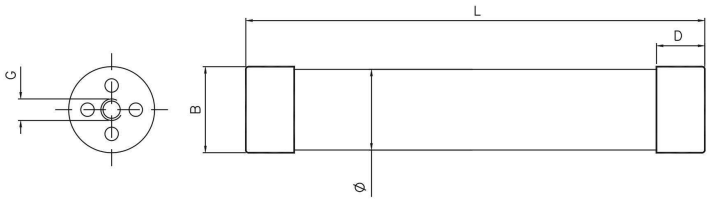
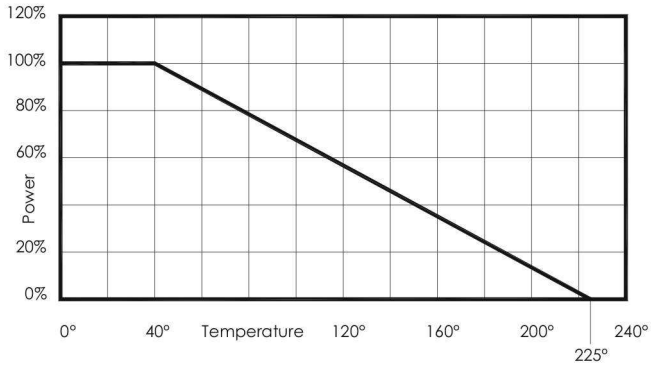
Dimensions (mm)

Type	L	B	Ø	D	G
969.11	81 ... 1	14,5	13,5	10,0	M4
969.23	156 ... 1	14,5	13,5	10,0	M4
969.54	158 ... 1	31,8	30,5	18,0	M8
969.71	208 ... 1	31,8	30,5	18,0	M8
969.105	308 ... 1	31,8	30,5	18,0	M8



Graph



How to order

Type	R-Value	R– Tolerance	TC
969.23	1 0 M	1 %	100 ppm/°C

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