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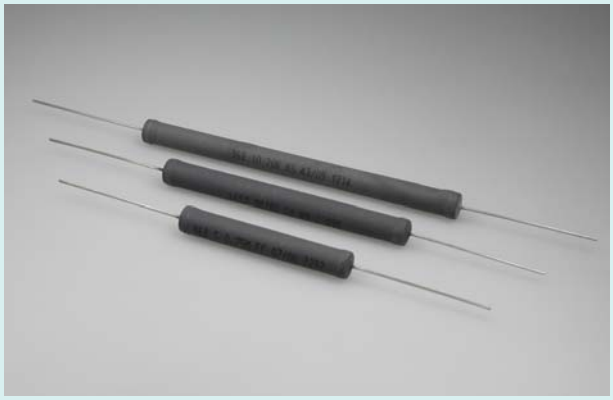
technology matters

High Voltage Resistor „Precision“

HVR 968



Features

- high impulse load
- high stability
- low inductive

Applications

- voltage divider
- measuring resistor
- electrostatic
- protection resistor

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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 0,25% max..MIL Std. 202, meth. 107 Cond. 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
Terminals	Cu tin-plated

Designs

Type	P40°C Watt	U KV dc	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	12	400 R ... 10 G	400 R ... 1 G	400 R ... 1 G	60 K ... 500 M
968.3	5,0	18	500 R ... 15 G	500 R ... 1,5 G	500 R ... 1,5 G	80 K ... 750 M
968.5	7,5	24	900 R ... 20 G	900 R ... 2 G	900 R ... 2 G M	120 K ... 1 G
968.7	10,0	36	1,2 K ... 30 G	1,2 K ... 3 G	1,2 K ... 3 G	180 K ... 1,5 G
968.10	12,5	60	1,7 K ... 30 G	1,7 K ... 3 G	1,7 K ... 3 G	240 K ... 2 G
968.12	15,0	75	2,6 K ... 30 G	2,6 K ... 5 G	2,6 K ... 3 G	300 K ... 2 G
968.15	17,0	90	3,2 K ... 30 G	3,2 K ... 6 G	3,2 K ... 3 G	350 K ... 2 G

Specifications subject to change without notice

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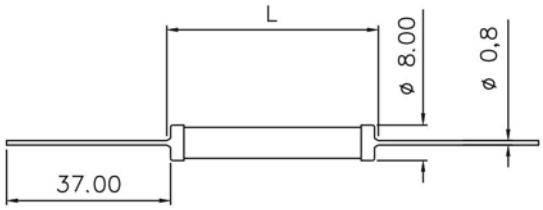
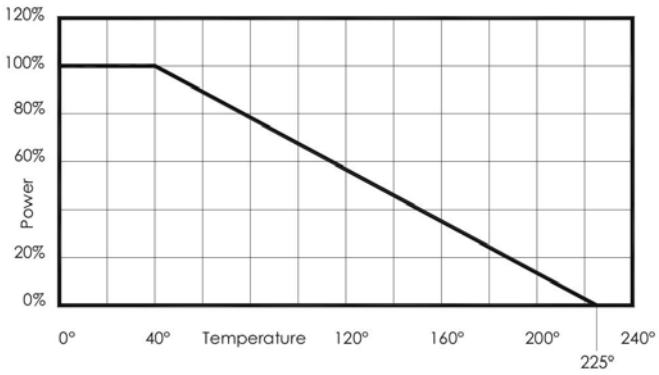
Dimensions (mm)

Type	L	Ø
968.2	27,0	8
968.3	37,0	8
968.5	52,0	8
968.7	78,0	8
968.10	103,0	8
968.12	123.0	8
968.12	128,0	8
968.15	153,0	8



Diagram



How to order

Type	R-Value	R– Tolerance	TC
968.2	2 0 M	0 , 5 %	50 ppm/°C

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