

RESENZO

Sensoren und industrielle Regelungstechnik

High Voltage Resistor „Flat“

HVR 967



Features

- high pulse load
- flat design
- low inductive

Applications

- voltage dividers
- electrostatic devices
- protection resistor
- high voltage measurement

Characteristics

Operating temperature	- 55°C ... + 175°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.107Cond. C. IEC 68-2-14)
Overload	Δ R/R 0,25% max. (1,5 x PNom, 5 sec (do not exceed 1,5 x V 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	Screen printed or conformal coating
Terminals	Tin plated solder pads, axial or radial leads

Design

Type	P40°C		Tolerance	Tolerance	Tolerance	Tolerance	Tolerance	Tolerance
	Watt	U KV dc	5 ... 20 % TC ppm/°C	1 ... 20 % TC ppm/°C	0,5 ... 20 % TC ppm/°C	0,25 ... 20 % TC ppm/°C	0,1 ... 20 % TC ppm/°C	0,1 ... 20 % TC ppm/°C
967.3.25	1,0	8	4 K ... 4 G 200	4 K ... 1 G 200	4 K ... 1 G 100	4 K ... 200 M 50	10 K ... 50 M 25	50 K ... 25 M 15
967.3.38	1,5	10	8 K ... 6 G	8 K ... 1 G	8 K ... 1 G	8 K ... 250 M	20 K ... 60 M	100 K ... 30 M
967.5.13	1,0	5	50 R ... 10 G	100 R ... 1 G	200 R ... 250 M	1 K ... 150 M	10 K ... 100 M	50 K ... 50 M
967.7.51	2,0	20	200 R ... 10 G	300 R ... 1 G	1 K ... 1 G	4 K ... 400 M	10 K ... 250 M	100 K ... 200 M
967.8.26	2,0	10	200 R ... 10 G	300 R ... 1 G	1 K ... 1 G	4 K ... 500 M	10 K ... 300 M	100 K ... 200 M
967.13.38	3,0	15	400 R ... 30 G	800 R ... 5 G	3 K ... 1 G	8 K ... 500 M	50 K ... 300 M	300 K ... 300 M
967.15.51	4,5	30	600 R ... 30 G	1 K ... 1 G	4 K ... 1 G	12 K ... 500 M	75 K ... 300 M	400 K ... 300 M

Options: TC 10 ppm/°C, other resistance, tolerance and designs on request

Specifications subject to change without notice

Resenzo AG

Bahnhofstrasse 87

CH-3232 Ins

Tel. +41 (0) 32 313 75 30

Fax. +41 (0) 32 313 75 31

info@resenzo.ch

www.resenzo.ch

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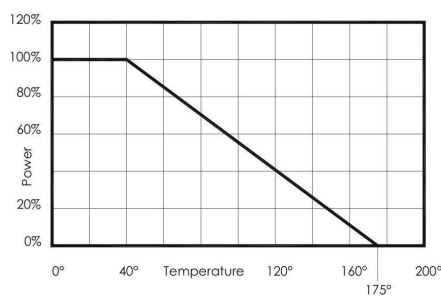
Dimensions (mm)

Type	L	B	R
967.3.25	25,4	3,8	22,9
967.3.38	38,0	3,8	35,7
967.5.13	12,7	5,0	10,2
967.7.51	51,9	7,0	48,0
967.8.26	25,4	8,0	22,5
967.13.38	38,5	13,0	36,0
967.15.51	50,8	15,0	48,3

Technical drawings showing dimensions for the HVR 967 resistor. The drawings include:

- Top view: Length L, width B, and radius R. A lead length of 36 ± 3 mm and a lead diameter of ø0,8 mm are shown.
- Side view: Total length L, lead length 2,5 ± 0,5 mm, and a mounting hole diameter of 30 ± 5 mm.
- Bottom view: Lead length 0,6 ± 0,1 mm, thickness 9 ± 2 mm, and a mounting hole diameter of 0,3 ± 0,1 mm.

Graph



How to order

Type	Connections	Coating	R-Value	R-Tolerance	TC
967.5.51	A	S	1 G	0,5 %	25 ppm/°C

A - axial R - radial U - Conformal coating S - Screen printed coating G - Glass coating

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