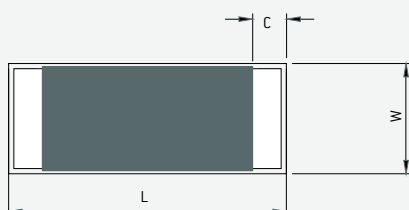


HIGH VOLTAGE SMD RESISTORS HVS 967



As a variant of the reliable HVR967 type series, high voltage SMD resistors present an interesting addition to the classic standard SMD chip resistors.



- Pulse-proof
- Low inductance
- SMD assembly



SAMPLE ORDER

HVS 967.3.38 Type	B Cover	100M Resistance value	1 % Tolerance	TC25 Temperature coefficient
	G = glass	R = Ω	0.5 %	25 ppm/°C
	B = operation in air	K = K Ω	1 %	50 ppm/°C
	D = operation in oil	M = M Ω	2 %	100 ppm/°C
		G = G Ω	5 %	200 ppm/°C
			10 %	
			20 %	

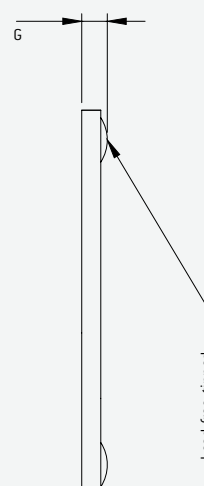
TYPE SELECTION HVS 967

TYPES	TOLERANCE						
	TCR(ppm/°C)	0.50 %	1 %	2 %	5 %	10 %	20 %
967.3.25 1 W 8 kV (air) 12 kV (oil)	25 / 50 100	5 K – 2 G 5 K – 2 G	2 K – 2 G 2 K – 2 G	2 K – 2 G 2 K – 2 G	2 – 2 G 2 K – 2 G	2 K – 2 G 2 K – 2 G	2 K – 2 G 2 K – 2 G
967.5.13 1 W 5 kV (air) 7.5 kV (oil)	25 / 50 100	4 K – 500 M 4 K – 500 M	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G
967.6.12 1 W 5 kV (air) 7.5 kV (oil)	25 / 50 100	4 K – 500 M 4 K – 500 M	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G	4 K – 3 G 4 K – 3 G
967.6.25 1.5 W 10 kV (air) 15 kV (oil)	25 / 50 100	3 K – 500 M 3 K – 500 M	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G
967.8.26 1.5 W 10 kV (air) 15 kV (oil)	25 / 50 100	3 K – 500 M 3 K – 500 M	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G	2 K – 1 G 2 K – 1 G

Other resistance values and temperature coefficients upon request.

DIMENSIONS

TYPES	W [width]	C	G	L [length]	Unit
967.3.25	3.8 [0.2]	1.55 [0.06]	0.63 [0.02]	25.4 [1.0]	mm (inches)
967.5.13	5.0 [0.2]	1.55 [0.06]	0.63 [0.02]	12.7 [0.5]	mm (inches)
967.6.12	6.35 [0.25]	1.55 [0.06]	0.63 [0.02]	12.7 [0.5]	mm (inches)
967.6.25	6.35 [0.25]	1.55 [0.06]	0.63 [0.02]	25.4 [1.0]	mm (inches)
967.8.26	8.0 [0.31]	1.55 [0.06]	0.63 [0.02]	25.4 [1.0]	mm (inches)



GENERAL TECHNICAL SPECIFICATIONS

Tolerance	0.5 % to 20 %*
Temperature coefficient	25 ppm/°C to 200 ppm/°C*
Insulation resistance	10,000 M Ω (500 V 25 °C 75 % relative humidity)
Dielectric strength of the insulation	>1,000 V (25 °C 75 % relative humidity) $\Delta R/R$ 0.25 % max.
Thermal shock	$\Delta R/R$ 0.25 % max.
Temperature range (operation/ storage)	– 55 °C to +175 °C (– 55 °C to +100 °C)
Cover	Epoxy-based varnish
Connection type	Solder pads, tinned

Depending on ambient conditions, the characteristics of resistors can change.
We recommend a suitability test under operational conditions.
* Other values upon request.