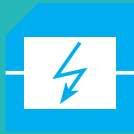
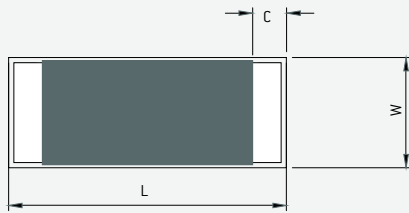


# HIGH VOLTAGE SMD RESISTORS HVS 967



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



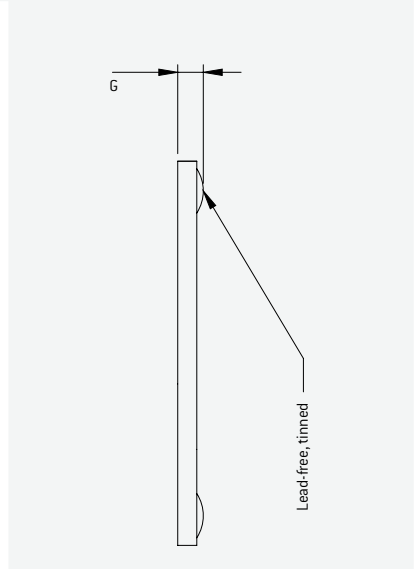
- Pulse-proof
- Low inductance
- SMD assembly

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 = KΩ	1 %	50 ppm/°C
	D = operation in oil	M = MΩ	2 %	100 ppm/°C
		G = GΩ	5 %	200 ppm/°C
			10 %	
			20 %	

TYPE SELECTION HVS 967							
TYPES	TOLERANCE						
	TCR(ppm/°C)	0.50 %	1 %	2 %	5 %	10 %	20 %
<b>967.3.25</b> 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
<b>967.5.13</b> 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
<b>967.6.12</b> 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
<b>967.6.25</b> 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
<b>967.8.26</b> 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

<b>Tolerance</b>	0.5 % to 20 %*
<b>Temperature coefficient</b>	25 ppm/°C to 200 ppm/°C*
<b>Insulation resistance</b>	10,000 MΩ (500 V 25 °C 75 % relative humidity)
<b>Dielectric strength of the insulation</b>	>1,000 V (25 °C 75 % relative humidity) ΔR/R 0.25 % max.
<b>Thermal shock</b>	ΔR/R 0.25 % max.
<b>Temperature range (operation/storage)</b>	–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.