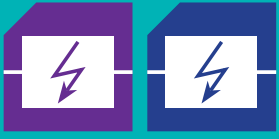
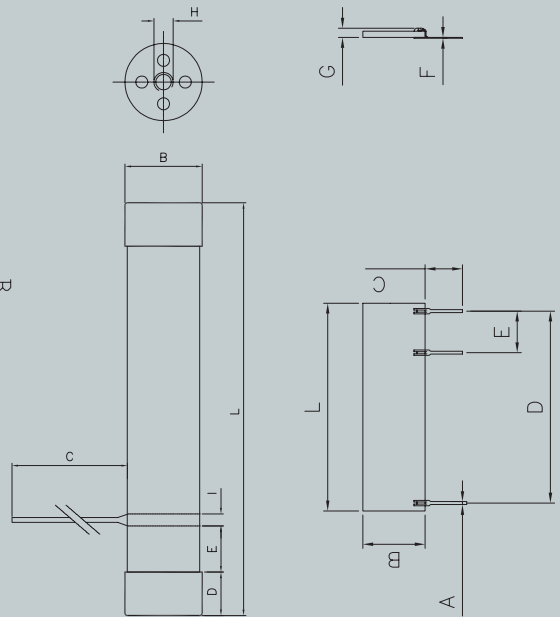
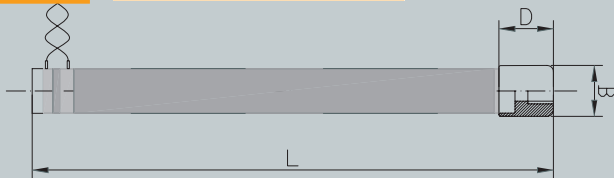
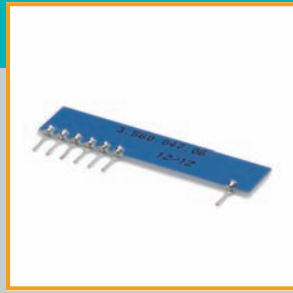


HIGH VOLTAGE DIVIDERS HVD AND RESISTOR NETWORKS NW



High voltage dividers and networks are precision resistors that are ideally suited for precise measuring and dividing of voltages thanks to a multitude of combination possibilities. METALLUX high voltage dividers are available as a representative selection of various types. **Networks** are based on special application-oriented requirements. Please contact us – we will be glad to provide solutions.



- Very good ratio stability
- Low tolerances
- Minimal drift

GENERAL TECHNICAL SPECIFICATIONS

Tolerance, absolute	as of 0.5%*
Tolerance, ratio	as of 0.1%*
Temperature coefficient, absolute	as of 25 ppm/°C*
Voltage coefficient, ratio	as of 15 ppm/°C*
Insulation resistance	>10,000 MΩ (500 V 25 °C 75 % relative humidity)
Dielectric strength	>1.000 V (25 °C 75 % relative humidity) ΔR/R 0.25 % max.
Thermal shock	ΔR/R 0.25 % max.
Moisture resistance	ΔR/R 0.25 % max.
Long-term stability	ΔR/R 0.25 % max.
Temperature range (operation / storage)	-55 °C to +175 °C (-55 °C to +100 °C)
Encapsulation	Epoxy-based coating (glass, silicone-based encasing)
Lead material	Connection wires Ø 0.8, tinned CU, axial or radial (optionally silvered Cu) brass caps with inner thread M4 or M8i

Depending on ambient conditions, the characteristics of resistors can change. We recommend a suitability test under operational conditions.

* Other values upon request.

TYPE SELECTION								
TYPES	TOLERANCE RATIO / ABS. *							
	TCR ratio/abs. (ppm/°C)*	Division ratio	0.1 % /as of 0.5 %	0.25 % /as of 1 %	0.5 % /as of 1 %	1 % /as of 2 %	2 % /as of 5 %	5 % /as of 10 %
HVD 967.8.26 0.5 W 8 kV (air) 12 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:1000 1:500 – 1:2000 1:500 – 1:2000	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k	1.5 M – 100 k 1.5 M – 150 k 1.5 M – 150 k
967.13.38 1.2 W 15 kV (air) 22 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:500 – 1:10000 1:500 – 1:10000	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M
967.15.30 1 W 15 kV (air) 22 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:500 – 1:10000 1:500 – 1:10000	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M	5 M – 300 M 5 M – 500 M 5 M – 500 M 5 M – 500 M
967.15.51 1.8 W 24 kV (air) 46 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:500 – 1:10000 1:500 – 1:10000	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G	10 M – 500 M 10 M – 1 G 10 M – 1.5 G 10 M – 1.5 G
967.15.77 2.4 W 32 kV (air) 49 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:500 – 1:10000 1:500 – 1:10000	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G
968.5 3 W 15 kV (air) 22 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:100 – 1:10000 1:100 – 1:10000	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G
968.7 6 W 20 kV (air) 30 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:500 – 1:5000 1:100 – 1:10000 1:100 – 1:10000	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G	15 M – 1 G 15 M – 1 G 15 M – 2 G 15 M – 2 G
969.23 10 W 45 kV (air) 60 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:100 – 1:10000 1:100 – 1:20000 1:100 – 1:20000	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 500 M 20 M – 2 G 20 M – 3 G 20 M – 3 G
969.105 50 W 90 kV (air) 120 kV (oil)	15 / 25 25 / 50 50 / 100 100 / 200	1:100 – 1:10000 1:100 – 1:20000 1:100 – 1:20000	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G	20 M – 1 G 20 M – 2 G 20 M – 3 G 20 M – 3 G

* Andere Werte auf Anfrage

DIMENSIONS									
TYPES	A	B = width	L = Length	C	D	E	F	G	Unit
967.8.26	0.6 [0.02]	8.0 [0.31]	25.4 [1.0]	9.1 [0.36]	22.9 [0.9]	5.08 [0.2]	0.3 [0.01]	2.5 [0.1]	mm (inches)
967.13.38	0.6 [0.02]	13.0 [0.51]	38.5 [1.52]	9.1 [0.36]	35.6 [1.4]	7.6 [0.3]	0.3 [0.01]	2.5 [0.1]	mm (inches)
967.15.30	0.8 [0.02]	15.0 [0.59]	30.0 [1.18]	36.0 [1.42]	22.86 [0.9]	5.08 [0.2]		2.5 [0.1]	mm (inches)
967.15.51	0.6 [0.02]	15.0 [0.59]	50.8 [2.0]	9.1 [0.36]	48.3 [1.9]	10.16 [0.4]	0.3 [0.01]	2.5 [0.1]	mm (inches)
967.15.76	0.6 [0.02]	15.5 [0.61]	77.5 [3.05]	9.1 [0.36]	73.4 [2.89]	10.2 [0.4]	0.3 [0.01]	2.5 [0.1]	mm (inches)
TYPES		L = Length	B = Ø	C	D	E	H	I	Unit
968.5		52.0 [2.05]	8.0 [0.31]		8.5 [0.35]		M4		mm (inches)
968.7		78.0 [3.07]	8.0 [0.31]		8.5 [0.35]		M4		mm (inches)
969.23		156 [6.14]	13 [0.51]		10 [0.39]	6.5 [0.26]	M6		mm (inches)
969.105		308 [12.13]	30 [1.18]		10 [0.39]	21 [0.83]	M8		mm (inches)

SAMPLE ORDERS						
HVD 967.8.26 HVD 967.7 HVD 969.23 Type	D B U Cover	33 M 100M 1G Resistance value	1:5000 1:1000 1:10,000 Division ratio	0.25 % / 0.5 % 1.0 % / 2.0 % 5.0 % / 10.0 % Tol.abs. / Tol.ratio	TC50 / TC100 TC25 / 15 TC15 / TC25 TCabs. / TCratioεppm/°C	
	U = encasing	R = Ω		0.1%0.5%	TC15 TC25	
	B = operation in air	k = kΩ		0.25%1.0%	TC25TC50	
	D = operation in oil	M = MΩ		0.5%1.0%	TC50TC100	
	E = epoxy	G = GΩ		1.0%2.0%	TC100TC200	
	G = glass			2.0%5.0%		
				5.0%10.0%		
				10.0%20.0%		