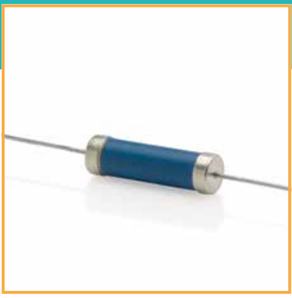
HIGH VOLTAGE PRECISION RESISTORS HPR 968

These high voltage precision resistors are in a league of their own when it comes to mastering the demanding measuring tasks involved in switching and regulating processes. The high long-term stability makes this type series particularly well-suited for applications in industrial and medical X-ray technology as well as for all test processes.



- Outstanding stability
- Very low inductance
- Minimal drift

SAMPLE ORDERS

HPR 968.5 Type	A Connections	B Cover	100M Resistance value	0.1 % Tolerance	TC25 Temperature coefficient
	A = wire, axial	G = glass	R = Ω	0.1 %	15 ppm/°C
	C = caps	B = operation in air	K = KΩ	0.25 %	25 ppm/°C
		D = operation in oil	M = MΩ	0.5 %	50 ppm/°C
		U = encasing	G = GΩ	1.0 %	100 ppm/°C
				2.0 %	200 ppm/°C
				5.0 %	
				10.0 %	
				20.0 %	

GENERAL TECHNICAL SPECIFICATIONS

Tolerance	0.1 % to 20 %*
Temperature coefficient	15 ppm/°C to 200 ppm/°C*
Voltage coefficient	0.08 ppm/V to 0.75 ppm/V (depending on size and layout)

Product drawing and dimensions, refer to pages 6/7.
General technical specifications, refer also to type series HVR 968.

* Other values upon request.

TYPE SELECTION

TYPES	TOLERANCE								
	TCR (ppm/°C)	0.1 %	0.25 %	0.50 %	1 %	2 %	5 %	10 %	20 %
968.2 **2.6 W** **9 kV (air)** **15 kV (oil)**	15/25 50 100 200	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G	60 K – 500 M 15 K – 1 G 15 K – 1 G 15 K – 10 G
968.3 **3.0 W** **12 kV (air)** **22 kV (oil)**	15/25 50 100 200	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G	80 K – 750 M 25 K – 1.5 G 25 K – 1.5 G 25 K – 15 G
968.5 **5.0 W** **18 kV (air)** **30 kV (oil)**	15/25 50 100 200	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G	120 K – 1 G 40 K – 2 G 40 K – 2 G 40 K– 20 G
968.7 **6.5 W** **24 kV (air)** **48 kV (oil)**	15/25 50 100 200	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G	180 K – 1.5 G 45 K – 3 G 45 K – 3 G 45 K – 30 G
968.10 **8.0 W** **36 kV (air)** **54 kV (oil)**	15/25 50 100 200	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G	240 K – 2 G 60 K – 3 G 60 K – 3 G 60 K – 30 G
968.12 **10.0 W** **42 kV (air)** **63 kV (oil)**	15/25 50 100 200	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G	300 K – 2 G 75 K – 3 G 75 K – 5 G 75 K – 30 G
968.15 **12.0 W** **54 kV (air)** **81 kV (oil)**	15/25 50 100 200	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G	350 K – 2 G 85 K – 3 G 85 K – 6 G 85 K – 30 G

Depending on ambient conditions, the characteristics of resistors can change. We recommend a suitability test under operational conditions.
Length tolerance: max. – 2 mm/+2 mm
Other resistance values and temperature coefficients upon request.