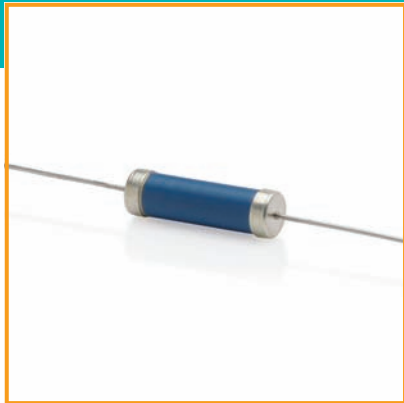


HIGH VOLTAGE PRECISION RESISTORS HPR 968



These high voltage precision resistors are in a league of their own when it comes to controlling 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	100 M 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
		E = epoxy	G = GΩ	1.0 %	100 ppm/°C
		U = encasing		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 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G	60 k – 500 M 400 R – 1 G 400 R – 1 G 400 R – 10 G
968.3 3.0 W 12 kV [air] 22 kV [oil]	15/25 50 100 200	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G	80 k – 750 M 500 R – 1.5 G 500 R – 1.5 G 500 R – 15 G
968.5 5.0 W 18 kV [air] 30 kV [oil]	15/25 50 100 200	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G	120 k – 1 G 900 R – 2 G 900 R – 2 G 900 R – 20 G
968.7 6.5 W 24 kV [air] 48 kV [oil]	15/25 50 100 200	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G	180 k – 1.5 G 1.2 k – 3 G 1.2 k – 3 G 1.2 k – 30 G
968.10 8.0 W 36 kV [air] 54 kV [oil]	15/25 50 100 200	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G	240 k – 2 G 1.7 k – 3 G 1.7 k – 3 G 1.7 k – 30 G
968.12 10.0 W 42 kV [air] 63 kV [oil]	15/25 50 100 200	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G	300 k – 2 G 2.6 k – 3 G 2.6 k – 5 G 2.6 k – 30 G
968.15 12.0 W 54 kV [air] 81 kV [oil]	15/25 50 100 200	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G	350 k – 2 G 3.2 k – 3 G 3.2 k – 6 G 3.2 k – 30 G

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