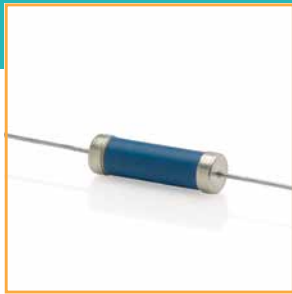


HIGH VOLTAGE PRECISION RESISTORS HPR 968



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

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.

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 %	

TYPE SELECTION

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