

Product overview

High voltage resistors

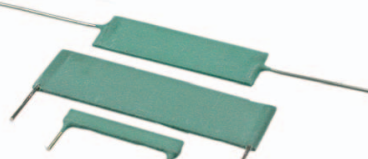



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technology matters

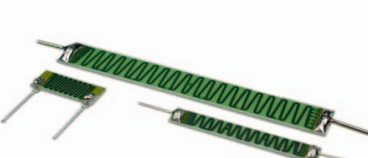
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Type	Metallux type	dimensions LxB mm/ØxL mm	resistance- value Ohm	Tolerance %	TC ppm/° C	nominal load W at 40°C	supply voltage KVDC air (oil)	VCR typ. ppm/V
HVR 967 High voltage resistor								
	967.3.25	25,4 x 3,8	100k – 4G	1	from 50	1,0	8,0 (12)	< 2
	967.3.38	38,0 x 3,8	100k – 6G	1	from 50	1,5	10 (15)	< 2
	967.5.13	12,7 x 5,0	100k – 10G	0,25 – 1	from 50	1,0	5 (7,5)	< 2
	967.7.51	51,9 x 7,0	500k – 10G	0,25 – 0,5	from 50	2,0	20 (30)	< 0,9
	967.8.26	26,0 x 8,0	500k – 10G	0,25 – 0,5	from 50	2,0	10 (15)	< 2
	967.13.38	38,5 x 13,0	500k – 30G	0,25 – 1	from 50	3,0	15 (30)	< 1
	967.15.51	50,8 x 15,0	1M – 50G	0,25 – 1	from 50	4,5	30 (45)	< 1
967.25.90	89,0 x 25,4	10M – 100G	0,25 – 1	from 50	10,0	45 (70)	< 0,5	

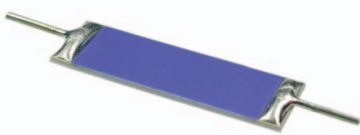
HVR 968 High voltage resistor								
	968.2	Ø 8,0 x 27,0	1M – 50G	0,5 – 10	from 50	3,8	12 (15)	< 1,5
	968.3	Ø 8,0 x 37,0	1M – 50G	0,5 – 10	from 50	5,0	18 (22)	< 0,80
	968.5	Ø 8,0 x 52,0	1M – 50G	0,5 – 10	from 50	7,5	24 (30)	< 0,60
	968.7	Ø 8,0 x 78,0	1M – 50G	0,5 – 10	from 50	10,0	36 (48)	< 0,30
	968.10	Ø 8,0 x 103,0	1M – 50G	0,5 – 10	from 50	12,5	60 (72)	< 0,24
	968.12	Ø 8,0 x 128,0	1M – 50G	0,5 – 10	from 50	15,0	75 (90)	< 0,20
	968.15	Ø 8,0 x 153,0	1M – 50G	0,5 – 10	from 50	17,0	90 (110)	< 0,16


HVR 969 High voltage resistor								
	969.11	Ø 13,5 x 81,0	2M – 10G	0,5 – 10	from 50	11,0	24 (32)	< 0,15
	969.23	Ø 13,5 x 156,0	2M – 10G	0,5 – 11	from 50	23,0	48 (72)	< 0,15
	969.54	Ø 30 x 158,0	2M – 10G	0,5 – 12	from 50	54,0	48 (72)	< 0,15
	969.71	Ø 30 x 208,0	2M – 10G	0,5 – 13	from 50	71,0	64 (96)	< 0,15
	969.105	Ø 30 x 308,0	2M – 10G	0,5 – 14	from 50	105,0	96 (148)	< 0,15
special features: Tolerance range 1% to 20%; TC from 50 ppm/° C, low inductiv, short term availability								


HPR 967 High precision resistor								
	967.3.25	25,4 x 3,8	200k – 4G	0,25	from 10	0,7	8 (12)	< 1
	967.3.38	38,0 x 3,8	200k – 6G	0,25	from 10	1,0	10 (15)	< 1
	967.5.13	12,7 x 5,0	1M – 10G	0,25	from 10	0,7	5 (7,5)	< 2
	967.7.51	51,9 x 7,0	1M – 10G	0,1 – 1	from 10	1,4	20 (30)	< 0,3
	967.8.26	26,0 x 8,0	1M – 10G	0,1 – 1	from 10	1,4	10 (15)	< 1
	967.13.38	38,5 x 13,0	1M – 30G	0,1 – 1	from 10	2,0	15 (22)	< 0,4
	967.15.51	50,8 x 15,0	1M – 50G	0,1 – 1	from 10	3,0	30 (45)	< 0,3
	967.25.90	89,0 x 25,4	1M – 100G	0,1 – 5	from 10	8,0	45 (70)	< 0,15

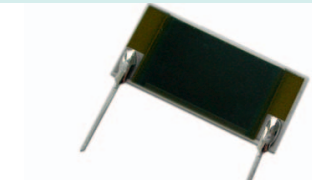
HPR 968 High precision resistor								
	968.2	Ø 8,0 x 27,0	1M – 50G	0,1 – 1	from 10	2,6	12 (15)	< 0,75
	968.3	Ø 8,0 x 37,0	1M – 50G	0,1 – 1	from 10	3,0	18 (22)	< 0,40
	968.5	Ø 8,0 x 52,0	1M – 50G	0,1 – 1	from 10	5,0	24 (30)	< 0,30
	968.7	Ø 8,0 x 78,0	1M – 50G	0,1 – 1	from 10	6,5	36 (48)	< 0,15
	968.10	Ø 8,0 x 103,0	1M – 50G	0,1 – 1	from 10	8,0	60 (72)	< 0,12
	968.12	Ø 8,0 x 128,0	1M – 50G	0,1 – 1	from 10	10,0	75 (90)	< 0,10
	968.15	Ø 8,0 x 153,0	1M – 50G	0,1 – 1	from 10	12,0	90 (110)	< 0,08


Type	Metallux type	dimensions LxB mm/ØxL mm	resistance value Ohm	tolerance %	TC ppm/°C	nominal load W bei 40°C	supply voltage KVDC air (oil)	VCR typ. ppm/V
HPR 969 High precision resistor								
	969.11	Ø 13,5 x 81,0	2M – 10G	0,1 – 0,5	from 10	7	24 (32)	< 0,1
	969.23	Ø 13,5 x 156,0	2M – 10G	0,1 – 0,5	from 10	15	48 (72)	< 0,1
	969.54	Ø 30 x 158,0	2M – 10G	0,1 – 0,5	from 10	36	48 (72)	< 0,1
	969.71	Ø 30 x 208,0	2M – 10G	0,1 – 0,5	from 10	54	64 (96)	< 0,1
	969.105	Ø 30 x 308,0	2M – 10G	0,1 – 0,5	from 10	75	96 (148)	< 0,1
Special features: high longterm stability through special design, high precision and low supply co-efficient								


HVI 967 High voltage impulse resistor								
	967.5.13	12,7 x 5,0	to 500kOhm	1 – 20	100	7J at 100msec	5 (7,5)	
	967.8.26	26,0 x 8,0	to 500kOhm	1 – 20	100	15J at 100msec	10 (15)	
	967.15.51	50,8 x 15,0	to 500kOhm	1 – 20	100	30J at 100msec	30 (45)	


HVI 968 High voltage impulse resistor								
	968.3	Ø 8,0 x 37,0	to 500kOhm	1 – 20	100	35	12 (15)	
	968.5	Ø 8,0 x 52,0	to 500kOhm	1 – 20	100	50	24 (30)	
	968.10	Ø 8,0 x 103,0	to 500kOhm	1 – 20	100	100	60 (72)	

HVI 969 High voltage impulse resistor								
	969.54	Ø 30,5 x 158,0	to 500kOhm	1 – 20	100	1000	48 (72)	
	969.71	Ø 30,5 x 208,0	to 500kOhm	1 – 20	100	1800	64 (96)	
	969.105	Ø 30,5 x 308,0	to 500kOhm	1 – 20	100	3600 energy 100msec 0,25hz	96 (148)	

HVI 03 High voltage surge resistor								
	03.1	9,0 x 5,5	4k – 100k	2 – 20	100	0,5	1,2/50 to VDE750 5kV	
	03.2	11,0 x 5,5	3,5k – 100k	2 – 20	100	0,5		
	03.3	13,0 x 5,5	3,5k – 100k	2 – 20	100	0,8		
	03.4	21,0 x 8,0	700R – 100k	2 – 20	100	1,0		
	03.5	21,0 x 10,5	700R – 100k	2 – 20	100	1,5		
	03.6	26,0 x 10,5	700R – 100k	2 – 20	100	2,0		
Special features: high impulse load, operating in air, potting compound or in oil Ohm-values dependant of tolerance und TC								

Type	Metallux type	dimensions LxB mm/ØxL mm	resistance values Ohm	tolerance ratio %	TC ratio ppm/° C	nominal load W at 40°C	supply voltage KVDC air (oil)	VCR typ. ppm/V
HVD 100 High voltage divider								
	1000.2 1000.3 1000.4 1000.5	26,0 x 8,0 38,5 x 13,0 51,5 x 15,5 77,5 x 15,5	1,5M – 150M 5,0M – 500M 10,0M – 1,5G 15,0M – 2G	to 0,1 to 0,1 to 0,1 to 0,1	10 – 50 10 – 50 10 – 50 10 – 50	0,5 1,2 1,8 2,4	8 (12) 15 (22) 24 (36) 32 (49)	< 1 < 0,4 < 0,3 < 0,2

HVD 2000 High voltage divider								
	2000.23 2000.105	Ø 13,5 x 156 Ø 30,5 x 308	10M – 10G 20M – 20G	to 0,1 to 0,1	10 – 50 10 – 50	10,0 50,0	60 (90) 90 (120)	< 0,1 < 0,1
Special features: high longterm stability, high accuracy of measurement								

Network Resistor network (high voltage)								
	3000	26,0 x 8,0 38,5 x 13,0 50,8 x 7,0 50,8 x 15,0	100k – 1G 100k – 1G 100k – 1G 100k – 1G	to 0,1 to 0,1 to 0,1 to 0,1	10 – 50 10 – 50 10 – 50 10 – 50	1,0 1,4 2,0 3,0	10 20 15 30	< 1 < 0,4 < 0,3 < 0,2

All resistors available with specific cover for operation in air, compound or oil.

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