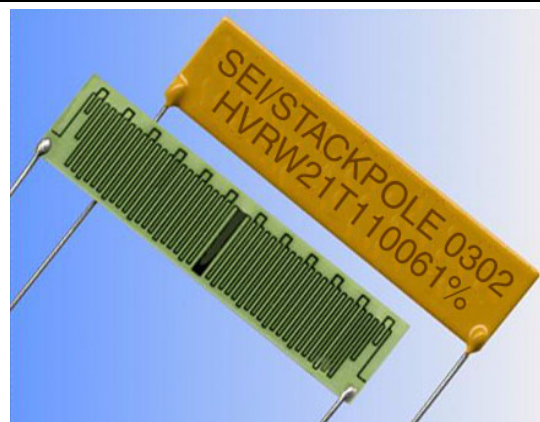


HVR Series — High Voltage Leaded Resistors

Features

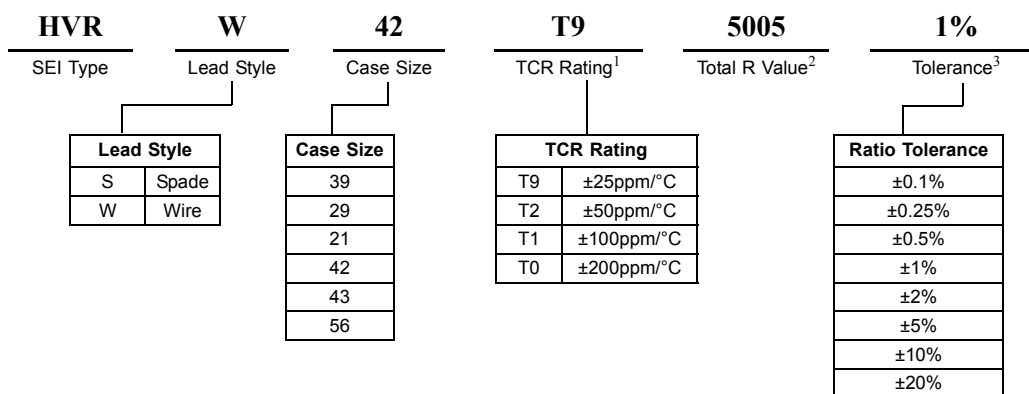
- Ohmic values to 2,000G
- Voltage ratings to 40,000 volts
- Ultra high stability
- Tight tolerances to 0.1%
- Low TCR to 10ppm/°C
- Low VCR to 0.05ppm/volt
- Very low noise
- Custom solutions available



Electrical Specifications

HVR Case Size	Power watts @ 25°C	Maximum Voltage Rating (kv)	Resistance Temperature Coefficient	Ohmic Range and Tolerance				
				0.1%	0.25% & 0.5%	1%	2%	5%, 10% & 20%
39	0.5	2	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G
29	0.5	4	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G
21	1	10	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G
42	2	20	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G
43	3	30	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G
56	6	40	±25ppm/°C ±50ppm/°C ±100ppm/°C	<30M – 100M – –	<30M – 100M >100M – 2G –	<30M – 100M >100M – 2G >2G – 20G	<30M – 100M >100M – 2G >2G – 50G	<30M – 100M >100M – 2G >2G – 100G

How to Order



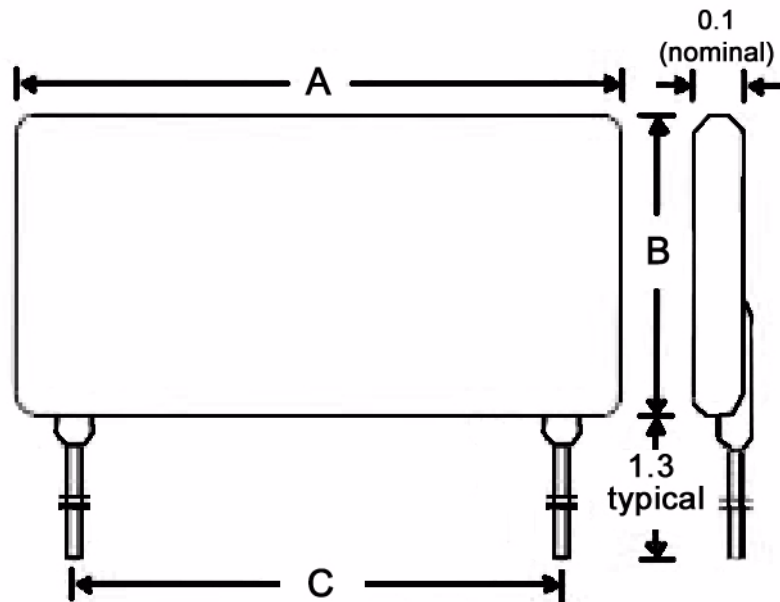
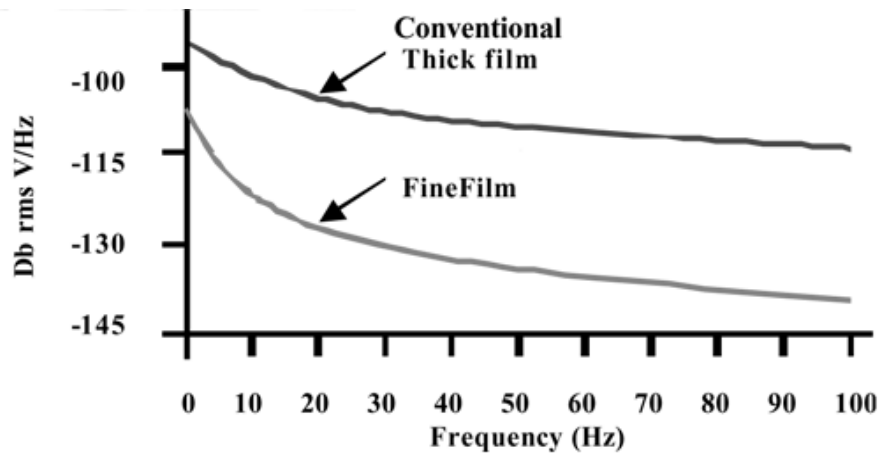
Note 1: TCR is measured from 25°C to 75°C

Note 2: Express value as a four digit number; the first three numbers are the significant value and the fourth number is the number of zeros

Note 3: Tolerance is dependent on case size and value

HVR Series — High Voltage Leaded Resistors

Low Noise Characteristic



Mechanical Specifications

HVR Case Size	A	B	C	Units
39	0.3 +0.08/-0.03 7.62 +2.032/-0.762	0.4 ± 0.03 10.16 ± 0.762	0.2 5.08	inches mm
29	0.5 +0.08/-0.03 12.7 +2.032/-0.762	0.375 ± 0.03 9.525 ± 0.762	0.4 10.16	inches mm
21	1.0 +0.08/-0.03 25.4 +2.032/-0.762	0.375 ± 0.03 9.525 ± 0.762	0.9 22.86	inches mm
42	2.0 +0.08/-0.03 50.8 +2.032/-0.762	0.5 ± 0.03 12.7 ± 0.762	1.9 48.26	inches mm
43	3.0 +0.08/-0.03 76.2 +2.032/-0.762	0.5 ± 0.03 12.7 ± 0.762	2.9 73.66	inches mm
56	4.0 +0.08/-0.03 101.6 +2.032/-0.762	0.75 ± 0.03 19.05 ± 0.762	3.9 99.06	inches mm