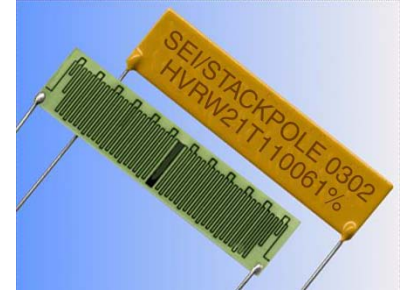


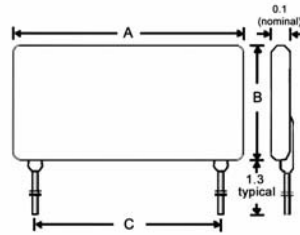
HVR Series

High Voltage Radial Leaded Plate Resistor

- Features:
- Ohmic values available up to 4,000G
 - Voltage ratings to 40,000 volts
 - Ultra-high stability
 - Tight tolerances to 0.1%
 - Low VCR to 0.05ppm/volt
 - Very low noise
 - Custom solutions available



Electrical Specifications								
Case Size	Power Rating (Watts) @ 25°C	Maximum Voltage Rating (kv)	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance				
				0.10%	0.25%	0.50%	1%	2%, 5%, 10%, 20%
HVR(W)39	0.5W	2KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 100M 100K - 1G 100K - 10G 100K - 10G	1M - 100M 100K - 1G 100K - 10G 100M - 50G	1M - 100M 100K - 1G 100K - 50G 100M - 50G
HVR(W)29	0.5W	4KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 100M 100K - 1G 100K - 10G 100K - 10G	1M - 100M 100K - 1G 100K - 10G 100M - 50G	1M - 100M 100K - 1G 100K - 50G 100M - 50G
HVR(W)21	1W	10KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 500M 100K - 500M 100K - 500M 100K - 100M	1M - 500M 100K - 10G 100K - 10G 100M - 10G	1M - 500M 100K - 10G 100K - 50G 100M - 50G	1M - 500M 100K - 10G 100K - 50G 100M - 50G
HVR(W)42	2W	20KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 500M 100K - 500M 100K - 500M 100K - 100M	1M - 500M 100K - 10G 100K - 10G 100M - 10G	1M - 500M 100K - 10G 100K - 50G 100M - 50G	1M - 500M 100K - 10G 100K - 50G 100M - 50G
HVR(W)43	3W	30KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 500M 100K - 500M 100K - 500M 100K - 100M	1M - 500M 100K - 10G 100K - 10G 100M - 10G	1M - 500M 100K - 10G 100K - 50G 100M - 50G	1M - 500M 100K - 10G 100K - 50G 100M - 50G
HVR(W)56	6W	40KV	±25ppm/°C ±50ppm/°C ±100ppm/°C ±200ppm/°C	1M - 100M 100K - 100M 100K - 100M 100K - 100M	1M - 500M 100K - 500M 100K - 500M 100K - 100M	1M - 500M 100K - 10G 100K - 10G 100M - 10G	1M - 500M 100K - 10G 100K - 50G 100M - 50G	1M - 500M 100K - 10G 100K - 50G 100M - 50G



Mechanical Specifications				
Size	A	B	C	Unit
HVR(W)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
HVR(W)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
HVR(W)21	1 + 0.08/-0.03 25.4 + 2.032/-0.762	0.375 ± 0.03 9.525 ± 0.762	0.9 22.86	inches mm
HVR(W)42	2 + 0.08/-0.03 50.8 + 2.032/-0.762	0.5 ± 0.03 12.7 ± 0.762	1.9 48.26	inches mm
HVR(W)43	3 + 0.08/-0.03 76.2 + 2.032/-0.762	0.5 ± 0.03 12.7 ± 0.762	2.9 73.66	inches mm
HVR(W)56	4 + 0.08/-0.03 101.6 + 2.032/-0.762	0.75 ± 0.03 19.05 ± 0.762	3.9 99.06	inches mm

How to Order

1	2	3	4	5	6	7	8	9	10	11	12
H	V	R	W	4	2	F	E	5	0	M	0
Product Series		Lead Style	Size	Power	Tolerance		TCR		Resistance Value		
HVR High Voltage Radial Leaded Plate Resistor		W	39 29 21 42 43 56	0.5W 0.5W 1W 2W 3W 6W	Code	Tol	Code	ppm	Four characters with the multiplier used as the decimal holder. 30 Mohm = 30M0 100 Mohm = 100M 2 Gohm = 2G00		
					B	0.1%	E	25			
					C	0.25%	C	50			
					D	0.5%	D	100			
					F	1%	L	200			
					G	2%					
					J	5%					
					K	10%					
					M	20%					

Legacy Part Number (before January 3, 2011):

SEI Type	Lead Style	Case Size	TCR Rating (1)	Nominal Resistance	Tolerance (2)
HVR	W	42	T9	50M	1%
Type	Lead Style	Case Size	TCR Rating		Ratio Tolerance
HVR	W	39	T9	±25ppm/°C	±0.1%
		29	T2	±50ppm/°C	±0.25%
		21	T1	±100ppm/°C	±0.5%
		42	T0	±200ppm/°C	±1%
		43			±2%
		56			±5%
					±10%
					±20%

Note (1): TCR is measured from 25°C to 75°C
Note (2): Tolerance is dependent on case size and value