

Type HVR Series

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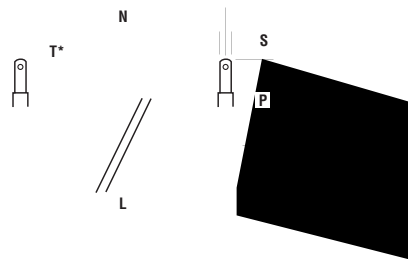
The Type HVR Series is a high voltage resistor designed for high power applications. It is available in various resistance values and power ratings. The resistor is constructed from a high quality ceramic material and is designed to withstand high temperatures and high voltages. It is suitable for use in a wide range of applications, including power supplies, motor drives, and industrial heating systems. The resistor is available in two types: Type HVR10 and Type HVR20. Type HVR10 is a standard type resistor and Type HVR20 is a high voltage type resistor. The resistor is available in various resistance values and power ratings. The resistor is constructed from a high quality ceramic material and is designed to withstand high temperatures and high voltages. It is suitable for use in a wide range of applications, including power supplies, motor drives, and industrial heating systems. The resistor is available in two types: Type HVR10 and Type HVR20. Type HVR10 is a standard type resistor and Type HVR20 is a high voltage type resistor.

Characteristics -
Electrical

	HVR10	HVR20	HVR30	HVR50
Ohmic Value Min (Ω):	2.0	2.0	2.0	2.0
Max:	1.0	1.0	1.0	1.0
Resistance Tolerance - Standard (%):	10%	10%	10%	10%
Operation ($R < 400M$):	5%, 1%	5%, 1%	5%, 1%	5%, 1%
Power Dissipation at 20°C (W):	5	15	25	50
At 70°C:	3	10	15	25
In Oil at 20°C:	10	30	50	100
Continuous Operating Voltage Max (V):	10	20	30	50
Temperature Coefficient of Resistance				
20°C to 70°C (ppm/°C):	300, $\pm 1\%$	300, $\pm 1\%$	300, $\pm 1\%$	300, $\pm 1\%$
Voltage Coefficient of Resistance - $V > 100V$ (%):	2%	2%	2%	2%
Stability ΔR - 1000h Load Life (%):	2%	2%	2%	2%

Dimension
Style B

Style C



Key Features

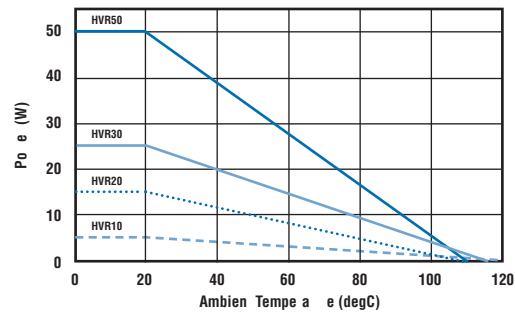
- High Voltage Power Resistor
 - 2k Ω to 1G Ω and a range of mounting options
- 50 kV Continuous Operating Voltage
 - Unique specification for the most demanding application
- Low Inductance and Capacitance
 - For high frequency application in the MHz range
- Established Power Resistor
 - High reliability high power reliability

Application

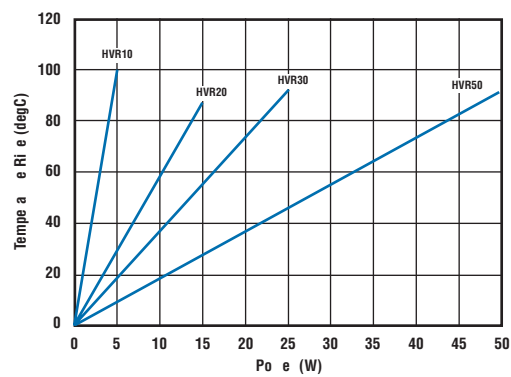
- High Frequency Switching (MHz)
- Balancing
- Voltage Divider
- High Voltage

Type HVR Series

Derating Curve



Surface Temperature Rise



How to Order

HVR	10	B	2K	J
Common Package	Voltage Rating	Terminal Style	Resistance Value	Tolerance
	10 - 10 20 - 20 30 - 30 50 - 50		2 Ω (2000Ω) 2 1 Ω (1 10 ³ Ω) 1 0 1 Ω (1 10 ³ Ω) 1 0	± 1% ± 2% - 3% - 5% - 10%