

- High Surge Energy
- Non-Inductive
- Replace Carbon Composition

The *RT/RL Series* of non-inductive, ceramic composite resistors are ideal for circuitry associated with surges, high peak power / high energy, replacing carbon composition resistors which can be difficult to source.

They offer enhanced performance in:

- ♦ High voltage power supplies
- ♦ R-C snubber circuits
- ♦ Inrush limiters

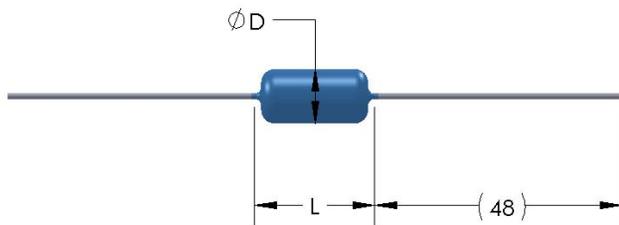
In pulsed applications, these compact resistors distribute the energy uniformly throughout their structure, resulting in low thermal stress. The result is increased reliability, and in many cases reduced size, compared to wire or film types.

The solvent-resistant epoxy coating allows operation in almost any environment.

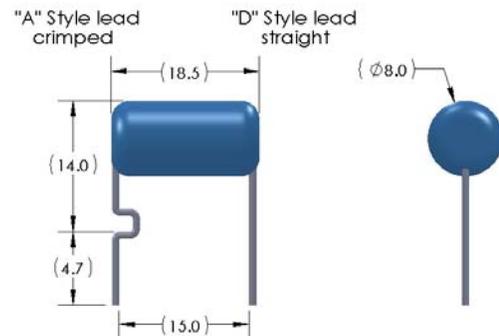
Part Number	Style	Resistance ¹ (Ω)	Impulse Volts ² (V)	P _{avg.} ³ (W)	Energy ⁴ (J)	L _{max} (mm)	D _{max} (mm)	Leads (AWG)	Lead Style
RT818YXXXZ	Axial	10-47K	7500	2.0	70	21.0	8.1	20	A
RL818YXXXZ	Radial	18-47K	7500	2.0	70	21.0	8.1	20	A/D

Notes: ¹ E12 standard values, +/-20% or +/-10% ² Standardized for 50 Ω resistor in air, 1.2/50 μ sec pulse width* ³ Free air, 25 $^{\circ}$ C ambient ⁴ max single impulse @ 25 $^{\circ}$ C

RT series—Axial Lead



RL series—Radial Lead

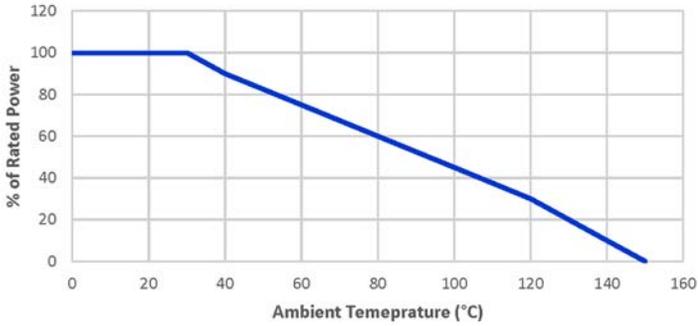


Dimensions are in mm.

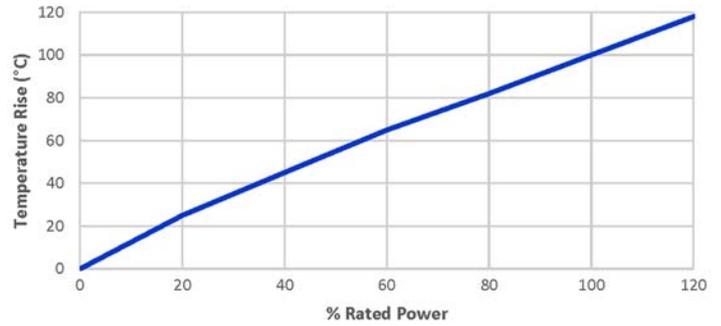
*For non standard configurations, please contact HVR APC Engineering—engineering@hvrpc.com



Derating vs. Ambient Temperature



Surface Temp. Rise vs. Applied Power



Ordering Information

