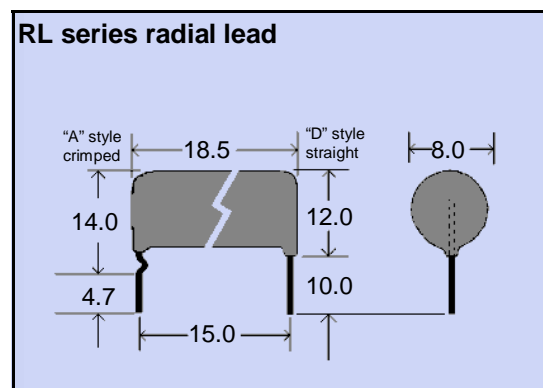
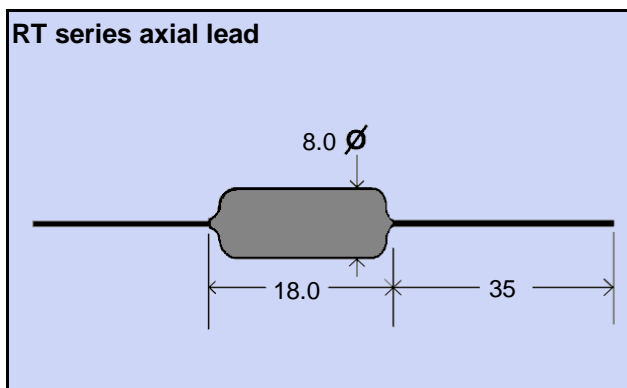


- **High Surge Energy**
- **Non-Inductive**
- **Replace Carbon Comp**

The RT/RL series of non-inductive, ceramic composite resistors are ideal for circuitry associated with surges, high peak power or 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, and 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, and the choice of axial or radial lead construction offers convenient use.

Part Number	Style	Resistance ¹ (Ohms)	Impulse Voltage ² (Volts)	P _{avg} ³ (Watts)	Energy ⁴ (Joules)	L max (mm)	D max (mm)	Leads (AWG)
RT515AXXXL	Axial	22 to 68K	3500	1.0	30	15.5	5.0	20
RT818AXXXL	Axial	10 to 47K	7500	2.0	70	18.5	8.0	20
RL818AXXXL	Radial	18 to 47K	7500	2.0	70	18.5	8.0	20

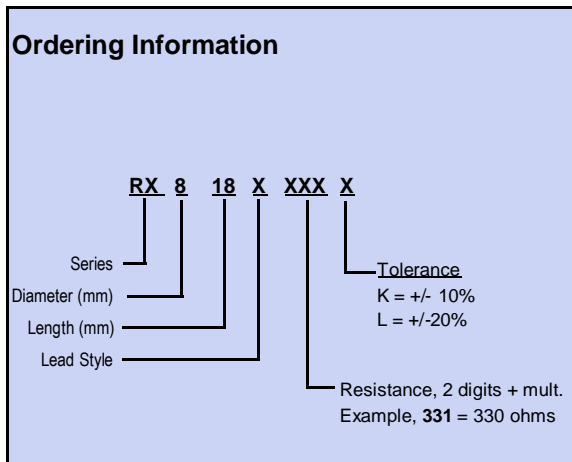
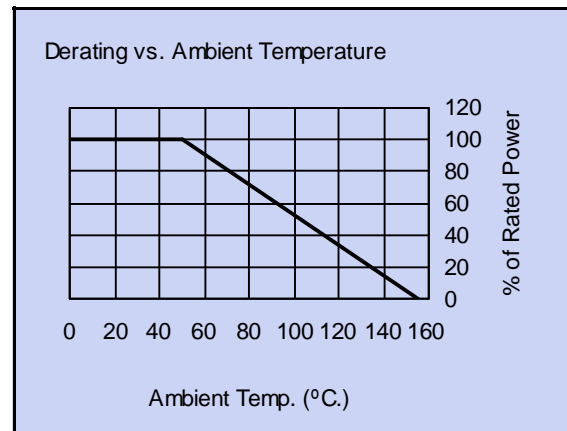
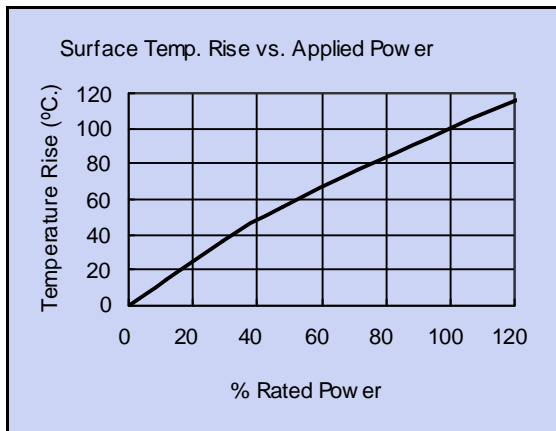
1. E6 standard values, +/-20% 2. In air, 1.2/50 μs waveform 3. Free air, 40°C. ambient 4. Single impulse



RT/RL Series Resistors

Technical Data

Parameter	Maximum ΔR	Test Method
Life Test	+5%	MIL-STD-202F, method 108A. except 25°C. 1000 hrs. @ rated power; 1.5 hrs. ON, .5 hrs OFF
Single Pulse Energy	+/-1.5%	Single 1 sec duration pulse of 100% Rated Energy
Short-time Overload	+/-2.5%	5x rated power. 2 seconds ON, 5 seconds OFF, 5 cycles.
Long-term High Temperature	+/-2.0%	1000 hours @ 150 °C
Thermal Shock Cycle	+/-2.0%	MIL-STD-202F, method 107D. -55 °C to +125 °C, 5 cycles
Moisture resistance	+/-1.0%	90%-95% rh @ 40 °C, 1000 hrs.
Temperature Coefficient of R	+/- 1500ppm	Two point measurement, 20°C and 150°C



Options

Lead style: Consult factory

Packaging:

- RT- 25 to 250 qty= 25 per paper tray
 >250 qty= Bulk packaged, 250/ bag
 -T option= tape and reel per EIA-296-E
- RL- Standard is bulk packaged, 500/ bag
 -T option= tape and reel per EIA-468-B