



- High Surge Energy
- Non-Inductive
- Compact Size

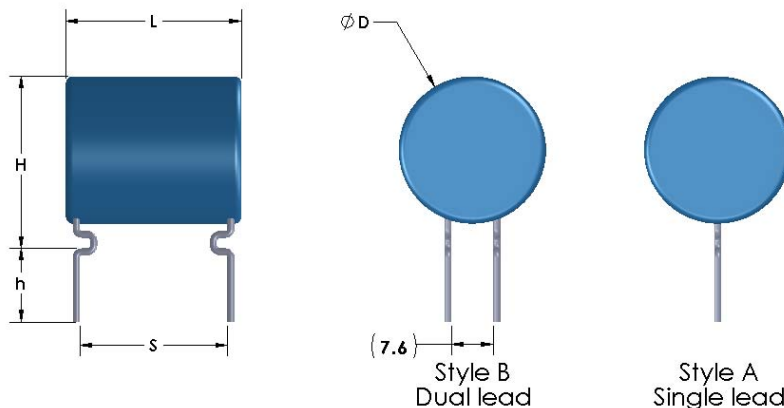
The *U Series* of non-inductive, ceramic composite resistors are designed for inrush limiting in motor drives, UPS and other power conversion systems. They are ideal for circuitry which is subject to surges, high peak power / high energy, offering enhanced performance over other types of resistors.

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	Resistance <sup>1</sup> ( $\Omega$ )	Impulse Volts <sup>2</sup> (V)	P <sub>avg.</sub> <sup>3</sup> (W)	Energy <sup>4</sup> (J)	L <sub>max</sub> (mm)	D <sub>max</sub> (mm)	H <sub>max</sub> (mm)	h ( $\pm 0.7$ ) (mm)	S <sub>nom</sub> (mm)	Leads (AWG)
U1315YXXXZ	3.3-10K	1000	2.0	250	15.0	13.0	22.0	4.7	12.5	20
U1320YXXXZ	4.7-15K	1500	2.5	400	20.0	13.0	22.0	4.7	17.5	20
U2115YXXXZ	1.0-3.3K	1000	3.5	700	15.0	21.0	28.0	4.7	12.5	18
U2125YXXXZ	2.2-6.8K	2000	4.5	1400	25.0	21.0	28.0	4.7	22.5	18
U2616YXXXZ	1.0-2.2K	1500	4.5	1400	16.0	26.0	35.0	4.7	14.0	18
U2630YXXXZ	1.5-4.7K	2500	5.5	2800	30.0	26.0	35.0	4.7	27.5	18

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

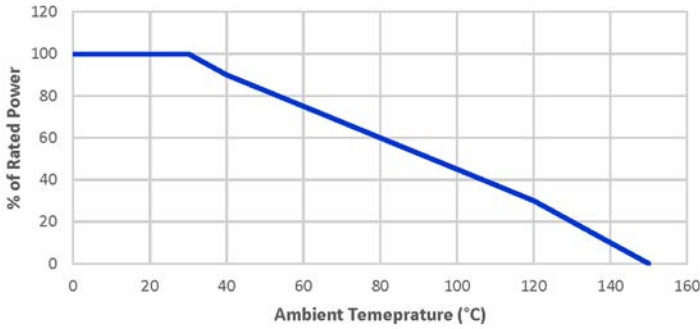


Dimensions are in mm.

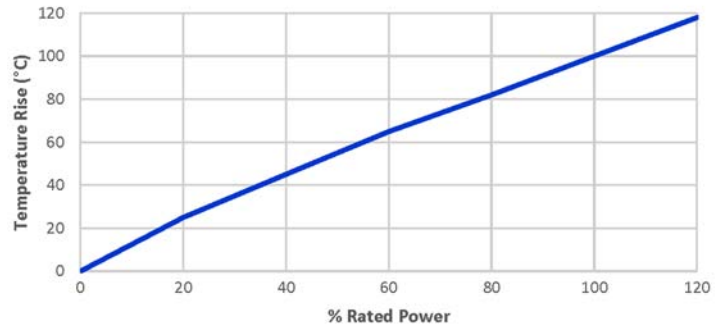
\*For non standard configurations, please contact HVR APC Engineering—engineering@hvrpc.com



Derating vs. Ambient Temperature



Surface Temp. Rise vs. Applied Power



### Ordering Information

