

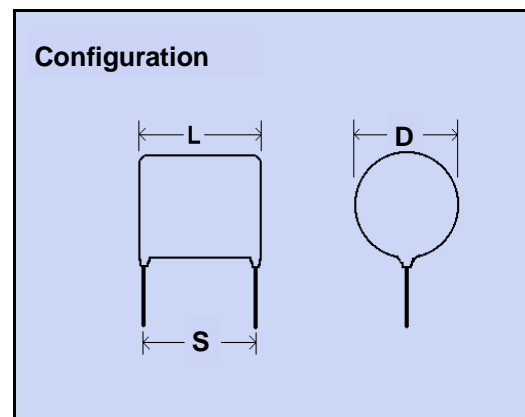
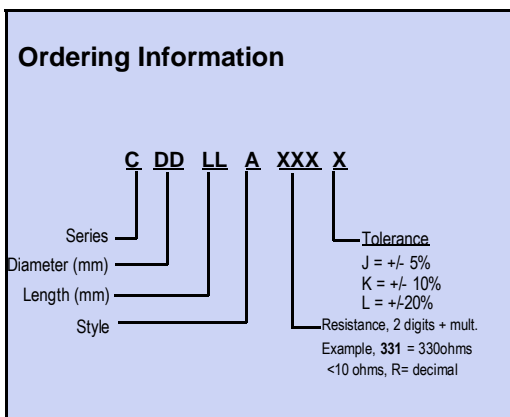


- **Extreme High Voltage**
- **Circuit Board Mounting**
- **Non-Inductive**

The **"C" series** of epoxy coated, radial lead resistors can absorb high energy at voltages up to 44kV. They are ideal for high voltage applications requiring non-inductance, as in pulse-forming and fast crowbars. Typical uses are in high voltage test equipment and cardiac defibrillators.

Part Number	Resistance (Ohms)	D (mm)	L (mm)	S (mm)	Energy ^{1,2} (Joules)	Power ¹ (Watts)	Impulse Voltage	Lead Dia. (mm)
C1107AXXXX	2.2 — 8.2K	11	7	5	80	0.75	see graph	.909
C1111AXXXX	3.3 — 15K	11	10	8	140	1	"	.909
C1320AXXXX	5.6 — 33K	13	20	18	400	2	"	.909
C2125AXXXX	2.2 — 15K	20	24	22	1400	4	"	1.1
C2130AXXXX	2.7 — 18K	20	31	29	1900	5	"	1.1
C2629AXXXX	1.8 — 12K	25	29	27	2800	6	"	1.1
C2654AXXXX	3.3 — 22K	25	54	52	5600	10	"	1.1

Notes: 1. Rated @ 25°C. Derate by: (150 – ambient) / 125. 2. Single impulse



Pulse Voltage Limits

The pulse voltage capability of the C series of *Cercomp*® resistors is constrained by allowable current, energy, and especially pulse width. The two graphs presented below show allowable peak impulse voltage vs. resistance for two standard waveforms which typify actual operating conditions. The waveforms are defined by the rise time, (to 90% amplitude), and the pulse width, (decay to 50% amplitude). Please consult Applications Engineering at HVR Advanced Power Components to verify safe operating area compliance for your application.

