

High Energy, Pulse-Discharge Capacitors

Custom Capacitors for Pulse-Discharge Applications

Work with the industry's most experienced engineering staff to develop custom, high-energy, pulsed DC capacitor for your demanding applications. Our recent acquisitions of Aerovox, Inc and NWL's capacitor division puts us at the leading-edge of high energy density, pulse film capacitors for fusion research, large government projects, medical and commercial applications. We have a broad range of technologies and test capabilities to meet the challenging needs of our customers' critical applications.

Highlights

- High voltage ratings to 150 kV
- Designed for user specified life and application requirements
- Oil impregnated or dry epoxy construction
- Multiple terminal options
- Metal and plastic case design options
- Low inductance

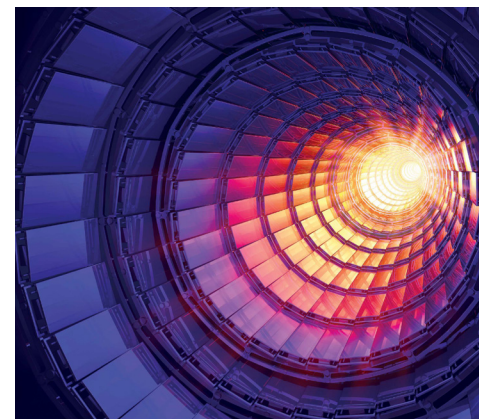
Specifications

Capacitance Range	5 nF to 50,000 μ F
Capacitance Tolerance	Custom
Voltage Range	Up to 150 kV
Peak Current Level	Up to 250 kA
Inductance	<10 nH (Custom Designs)
Reversal	Up to 100%
Energy Density	2.75 J/cc
Pulse Life (Nominal)	100 to 1×10^9 Cycles
Rep Rate	.01 to 1000 Hz



Typical Applications

Fusion Research, Magnetic Pulse Forming, Pulsed Lasers, Rail Guns, Particle Accelerators, MARX Generator Banks, Radiotherapy, Lithotripsy, Defibrillators, Medical Lasers, and more!



<https://www.cde.com/custom-solutions/high-energy-storage-pulse-discharge>



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DUBILIER**

ENERGIZING IDEAS