

DISFIM PRODUCTS

For Energy Storage and Discharge Applications



GENERAL DESCRIPTION

Disfim capacitors are designed for energy storage and discharge applications. Controlled self-healing enables the capacitor to operate continually without catastrophic failure by immediately insulating any over-stress sites that may occur in the dielectric layer. During operation, the capacitance will reduce slightly as a result of the controlled self-healing mechanism; discharge capacitors are designed to lose no more than 5% of the original value over their operating lifetime at design voltage and temperature.

FEATURES

- Voltage range from 2kV to 75kV
- Maximum energy per capacitor: 150kJ
- Specific energy up to 2000J/l
- Lifetime up to several tens of millions of shots
- Stray inductance's from 50nH to 500nH

APPLICATIONS

- Power laser
- Electromagnetic and ETC Cannon
- High voltage supplies
- Marx generators
- Cable failure detectors

CONSTRUCTION

- Metal case unit
- Epoxide flat terminals or ceramic terminals

* Custom design is the rule as applications and operating conditions are various. Feel free to send your request to your local KYOCERA AVX representative. Use guide for customer's specific requirement.