

DISFIM Products



For Energy Storage and Discharge Applications

Based on the CONTROLLED SELF HEALING technology, AVX offers impregnated capacitors, named DISFIM, which are ideal for discharge applications.

With the controlled self-healing technology, the capacitance of the DISFIM is divided into several million elementary capacitances. The weak points in the dielectric are insulated and the capacitor continues to work without any short-circuit or risk of explosion.

DISFIM capacitors may represent more than 10,000 square meters.

Only some square millimeters of active surface are lost for every self-healing action.

Over the life of the capacitor, the capacitance gradually decreases.

The capacitor is usually designed to lose less than 5% of its initial capacitance during its whole lifetime.



Example of design with 2 epoxide flat terminals

APPLICATIONS

- | | |
|-------------------------|------------------------------|
| Power laser | Electromagnetic and ETC guns |
| High voltage supplies | Marx generators |
| Cable failure detection | Welding machine |

Custom design is the rule as applications and operating conditions are various.

Feel free to send your request to your local AVX representative.

Use guide for customer's specific requirement.

CHARACTERISTICS

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

CONSTRUCTION

- Metal case unit
- Epoxide flat terminals or ceramic terminals