

1.2.3 High Power DC Filter Capacitors : - STFC-series

Applications :

- High Frequency and Current application
- DC filter circuit
- act as discharge capacitor to trigger laser or energy storage function
- EMC Filter application
- Voltage Converters and Frequency Converters
- Traction drives and Industrial drives
- UPS and Equipment

Electrical Connection and Mounting :

- high current carrying capacity construction
- copper terminal tab
- copper M6, M8, M10 screw nut
- Contact Surface Area : reinforced, flat and even design

Constructions :

- Axial Thermoplastic case with Epoxy Resin end sealed : so that the capacitor can be operated at a higher temperature range and harsh working environment (all plastic parts and epoxy resin being used are self-extinguishing UL94-V0 grade)
- Supporting different Capacitor Configuration, electrical connections and mounting options so as to increase your design flexibility

Electrical Characteristics :

Capacitance : 3uF – 100uF

Tol : +/-10%, +/-5% at 23C 1kHz

Voltage : 200V – 2150V

Testing Voltage :

- DC Voltage : $1.5 \times U_n$ 30sec (can be customized design)
- AC Voltage : according to EN61071 (can be customized design)
- Terminal ~ Case : $2 \times U_n + 1000V_{ac}$ 60 seconds

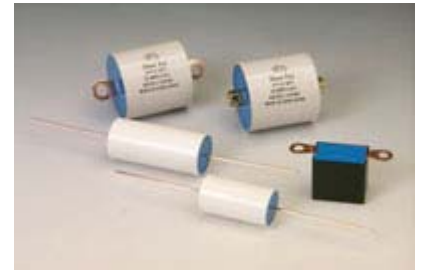
very low losses and low inductance

High Current carrying capacity

Thermoplastic case pot with UL90V-0 epoxy – so that the capacitor can be operated at a higher temperature range and harsh working environment

Temperature range : -25 ~ +85C / -40 ~ +105C

Pulse Voltage rise & fall time dv/dt : detail information available on request



The combination of Capacitance value and Voltage or should there be a Dimensional constraint, please contact us for a design suited to your particular needs.

1.2.4 Feed Through Capacitors : - STF-series

Applications :

- High Frequency and High Current AC, DC filter circuit
- EMC Filter application

Specifications :

- high feed through current capacity
- Contact Surface Area : reinforced, flat and even design
- large contact surface area
- can withstand stronger external force
- very low losses and low inductance
- high Insulation Resistance
- not easy to oxidation – lower contact resistance
- will not flashover on the contact surfaces
- Solderable

Constructions :

- Supporting different Capacitor Configuration, electrical connections and mounting options so as to increase your design flexibility
- wrap with flame-retardant tape + strong Contact Surface Area

Electrical Characteristics :

Capacitance : 0.1uF ~ 20uF

Tolerance : +/-10%, +/-5% at 23C 1kHz

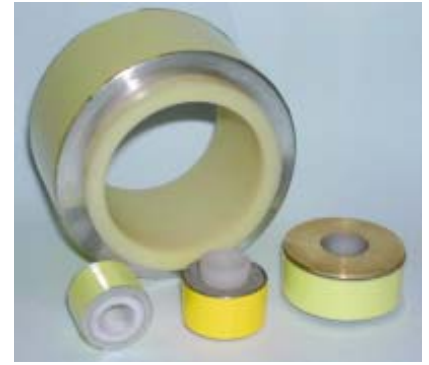
Voltage : AC & DC is available,
48Vac ~ 1200Vac
100Vdc ~ 3000Vdc

Testing Voltage :

- DC Voltage : $1.6 \times U_n$ 60sec (can be customized design)
- AC Voltage : according to EN132400 (can be customized design)
- according to X1, X2, Y1 and Y2

Temperature range : -25 ~ +70C / -40 ~ +85C (full voltage rating)

Pulse Voltage rise & fall time dv/dt : detail information available on request.



The combination of Capacitance value and Voltage or should there be a Dimensional constraint, please contact us for a design suited to your particular needs.