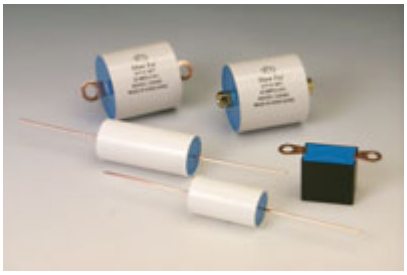
1.2.4 High Power DC Filter Capacitors : - **STFC**-series

Applications :



- High Frequency and Current application
- DC filter circuit
- act as discharge capacitor to trigger laser or energy discharge 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

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

Voltage : 200V – 2150V

Testing Voltage :

- DC Voltage : 1.5 x U_n 30sec (can be customized design)
- AC Voltage : according to EN61071 (can be customized design)
- Terminal - Case : 2 x U_n + 1000Vac 60 seconds

Operate Temperature : -25C - +70C / -25C - +85C / -25C - +105C

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 : -25C - +85C / -40C - +105C

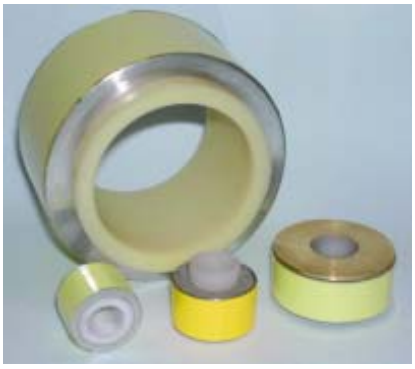
Pulse Voltage rise & fall time dv/dt : detail information available on request

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.

1.2.5 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 :

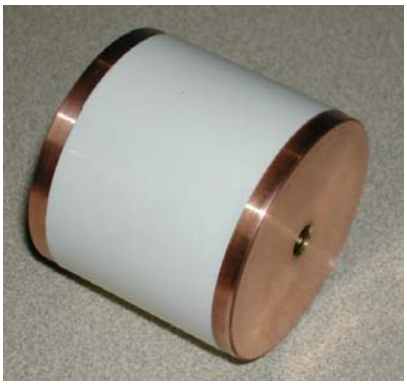
– DC Voltage : 1.6 x U_n 60sec (can be customized design)

– AC Voltage : according to EN132400 (can be customized design)

– according to X1, X2, Y1 and Y2

Temperature range : -25C - +70C / -40C - +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.