

1.1.2 Snubber Capacitors : STP-01 series

This series of capacitors have been specially developed for medium frequency range, higher dv/dt, peak current carrying capability.

Applications :

Snubber Circuit, IGBT Snubber, SCR Snubber, GTO Thyristor Snubber, Thyristor controlled rectifier circuits, High Current Snubber circuit, Reduce or eliminate voltage or current spikes, Limit dv/dt and di/dt, Motor Control and Static Drive, inverter and converter,

Constructions :

Supporting different Capacitor Configuration, electrical connections and mounting options so as to increase your design flexibility

Properties :

Very Low Losses, Excellent Frequency Response, High r.m.s. Current Rating, High Pulse Current Ratings (dv/dt), High Voltage Capabilities, High Temperature, High Insulation Resistance, Non inductive, Flame Retardant Construction, Easy Installation

Electrical Connections :

Tin plated copper lead wire / Flexible electrical lead wire

M6 / M8 / M10 build-in Threads and Nuts

Quick Terminals / Soldering tags / PCB soldering : 250 type (can be customized)

Electrical Characteristics :

Rated Voltage : 400Vdc ~ 3500Vdc / 200Vac ~ 2500Vac (can be customized)

Capacitance range : 0.01 ~ 40uF (can be customized)

Capacitance Tolerance : +/-5%; +/-10%

Equivalent Series Resistance (ESR) : measured at 25C 100kHz

Dissipation factor (DF) : <0.08% 1KHz) at 23C

Insulation Resistance : $C < 0.33\mu\text{F}$: 30,000M ohm uF 1kVdc 60sec

$C > 0.33\mu\text{F}$: 50,000M ohm uF 1kVdc 60sec

Testing Voltage : $1.75 \times U_n$ 10sec (can be customized)

Operate Temperature : -25 ~ +70C / -40 ~ +85C / -40 ~ +105C

Service Life : 30,000 hours at rated Vac 70C

60,000 hours at rated Vdc 70C

Accelerated Life : 1.25 x rated DC voltage at 85C for 2,000 hours

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

For details of individual capacitors, please feel free to contact us.



The combination of Capacitance value, Voltage, Dimension, please contact us for a design suited to your particular needs.