

## Snubber Capacitor : STP-01 series

This series capacitor has been specially developed for medium frequency range, higher dv/dt, peak current carrying capability.

### Application :

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,

### Construction :

- Cylindrical or Axial Thermoplastic Case : self-extinguishing (UL-94V0 grade) plastic - so that the capacitor can be operated at a higher temperature range and harsh working environment
  - Axial type with Tin Plated Copper lead or Terminals : wrapped with flame retardant tape and epoxy ends seal
  - Box type
- Providing different connections and mounting options so as to increase your design flexibility

### Properties :

Low ESR and Inductance, 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 Connecting :

Tin plated copper lead wire / Flexible electrical lead wire

M6 / M8 build-in thread brass stub

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

### Electrical Characteristic :

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

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

Capacitance Tolerance :  $\pm 5\%$ ;  $\pm 10\%$

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 / -40~100C

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.