

2.1 High Voltage Filter Capacitors :

STHVF : with screw Nut at Capacitor both Ends

STHVF-A : with Copper Lead at Capacitor both Ends (Axial Lead)

Applications :

- By-pass DC / AC Filtering, Transient and Harmonic Damping
- Coupling and Decoupling
- Filter applications
- Voltage Multiplier
- Induction heating
- X-Ray power supplies
- Electrostatic air cleaners

Features :

- Polypropylene film dielectric
- low inductance
- excellent Frequency Response
- RMS Current Rating
- high peak Pulse Current Ratings (dv/dt)
- higher Temperature range
- M6, M8 and M10 screw threads/nut as capacitor electrical terminal

When compare with traditional Paper Dielectric, Oil Impregnated and Metal Enclosure Capacitor :

- Plastic enclosure : safer when compare with oil impregnated capacitor.
- Dry construction : Epoxy Resin end seal and doesn't have impregnant liquid leakage problem
- Plastic enclosure and Epoxy Resin are flame retardant UL94-V0 grade
- compact size and light weight
- higher Insulation Resistance and Insulation Voltage
- low capacitor loss



Electrical Characteristics : STHVF series

Voltage range :

| | | | | | | | |
|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 6000Vdc | 8000Vdc | 10,000Vdc | 12,000Vdc | 15,000Vdc | 20,000Vdc | 25,000Vdc | 30,000Vdc |
| 1350Vac | 1500Vac | 1700Vac | 2000Vac | 2500Vac | 3000Vac | 4000Vac | 5000Vac |

Capacitance range : 0.025uF – 1uF

Tolerance : +/-10% +/-5% at 25C

Rated Temperature : -25C to +85C / -40C to +105C

Insulation Resistance : 250Vdc +25C >= 300,000Mohm
 250Vdc +85C >= 50,000Mohm
 250Vdc +105C >= 5,000Mohm

Testing Voltage Terminal to Terminal : Voltage Vdc < 20kVdc : 2.15 x rated Vdc 60 seconds at 105C
 > 20kVdc : 1.75 x rated Vdc 60 seconds at 105C
 Voltage Vac : 1.75 x rated Vac 60 seconds at 105C

Accelerated Life : 1.25 x Vdc or Vac at 105C for 2,000 hours

RMS Current - I_{rms} : up to 65Arms

Peak discharge current - I_{peak} : up to 2200A

Low ESR and series Inductance : refer to the data listed below

Temperature range : -25C to +70C / -25C to +85C / -40C to +105C

Pulse Voltage rise & fall time dV/dt : detail information available on require

Electrical Characteristics : STHVF-A series : Copper lead at Capacitor both ends (Axial Lead)

Voltage range :

| | | | | | | |
|---------|---------|----------|-----------|-----------|-----------|-----------|
| 4000Vdc | 6000Vdc | 8,000Vdc | 10,000Vdc | 12,000Vdc | 15,000Vdc | 20,000Vdc |
| 1800Vac | 2500Vac | 3000Vac | 3500Vac | 4500Vac | 5500Vac | 6500Vac |

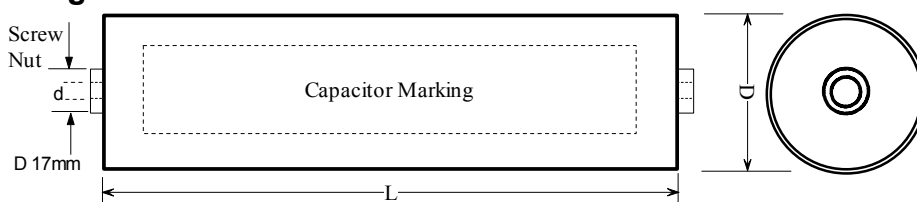
Capacitance range : 0.025uF – 0.82uF

Tolerance : +/-10% +/-5% at 25C

Rated Temperature : -25C to +70C / -25C to +85C / -40C to +105C

Max. ripple current I_{rms} : up to 10A

Drawing : STHVF series



STHVF Specifications and Size : 1350Vac / 6000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | Irms 100kHz 85C | Irms 100kHz 105C | ESR mohm 100kHz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------|------------------------|--------------------|--|
| 0.1 | 65 | 120 | 2700 | 270 | 8 | 6 | 9 | M6 |
| 0.12 | 65 | 120 | 2700 | 324 | 9 | 7 | 7.7 | M6 |
| 0.15 | 65 | 120 | 2700 | 405 | 11 | 8 | 7 | M6 |
| 0.2 | 65 | 120 | 2700 | 540 | 15 | 11 | 6.5 | M6 |
| 0.22 | 65 | 120 | 2700 | 594 | 16 | 12 | 6 | M6 |
| 0.25 | 65 | 120 | 2700 | 675 | 19 | 14 | 5.5 | M6 |
| 0.3 | 65 | 120 | 2700 | 810 | 22 | 16 | 5 | M6 |
| 0.33 | 65 | 120 | 2700 | 891 | 25 | 18 | 4.5 | M6 |
| 0.5 | 90 | 120 | 2700 | 1350 | 37 | 28 | 4.5 | M6 |
| 0.68 | 65 | 210 | 1350 | 918 | 50 | 38 | 4 | M6 |
| 1.0 | 90 | 210 | 1350 | 1350 | 65 | 56 | 4 | M6 |

STHVF Specifications and Size : 1500Vac / 8000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | Irms 100kHz 85C | Irms 100kHz 105C | ESR mohm 100kHz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------|------------------------|--------------------|--|
| 0.1 | 65 | 120 | 3400 | 240 | 9 | 6 | 8 | M6 |
| 0.12 | 65 | 120 | 3400 | 408 | 11 | 8 | 7.2 | M6 |
| 0.15 | 65 | 120 | 3400 | 510 | 14 | 10 | 6.5 | M6 |
| 0.2 | 65 | 120 | 3400 | 680 | 19 | 13 | 6 | M6 |
| 0.22 | 65 | 120 | 3400 | 748 | 20 | 14 | 5.5 | M6 |
| 0.25 | 65 | 120 | 3400 | 850 | 23 | 16 | 5 | M6 |
| 0.3 | 90 | 120 | 3400 | 1020 | 28 | 19 | 4.5 | M6 |
| 0.33 | 90 | 120 | 3400 | 1122 | 31 | 21 | 4 | M6 |
| 0.5 | 65 | 210 | 1700 | 850 | 47 | 33 | 3.5 | M6 |

STHVF Specifications and Size : 1700Vac / 10000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | Irms 100kHz 85C | Irms 100kHz 105C | ESR mohm 100kHz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------|------------------------|--------------------|--|
| 0.1 | 65 | 120 | 4300 | 430 | 11 | 7 | 7.5 | M6 |
| 0.12 | 65 | 120 | 4300 | 516 | 13 | 9 | 7 | M6 |
| 0.15 | 65 | 120 | 4300 | 645 | 16 | 11 | 6 | M6 |
| 0.2 | 65 | 120 | 4300 | 860 | 22 | 15 | 5.5 | M6 |
| 0.22 | 65 | 120 | 4300 | 946 | 24 | 17 | 5 | M6 |
| 0.25 | 90 | 120 | 4300 | 1075 | 27 | 19 | 5 | M6 |
| 0.27 | 90 | 120 | 4300 | 1161 | 30 | 21 | 5 | M6 |
| 0.3 | 90 | 120 | 4300 | 1290 | 33 | 23 | 4.5 | M6 |
| 0.33 | 90 | 120 | 4300 | 1419 | 36 | 25 | 4 | M6 |
| 0.5 | 90 | 210 | 2150 | 1075 | 55 | 38 | 3.5 | M6 |

STHVF Specifications and Size : 2000Vac / 12000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | Irms 100kHz 85C | Irms 100kHz 105C | ESR mohm 100kHz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------|------------------------|--------------------|--|
| 0.05 | 65 | 210 | 5900 | 295 | 9 | 6 | 25 | M6 |
| 0.1 | 65 | 210 | 5900 | 590 | 19 | 11 | 20 | M6 |
| 0.12 | 65 | 210 | 5900 | 708 | 18 | 12 | 18 | M6 |
| 0.15 | 65 | 210 | 5900 | 885 | 23 | 15 | 15 | M6 |
| 0.2 | 90 | 210 | 5900 | 1180 | 30 | 20 | 13 | M6 |
| 0.22 | 90 | 210 | 5900 | 1298 | 33 | 21 | 12 | M6 |
| 0.25 | 90 | 210 | 5900 | 1475 | 38 | 24 | 12 | M6 |

STHVF Specifications and Size : 2500Vac / 15000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | Irms 100kHz 85C | Irms 100kHz 105C | ESR mohm 100kHz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------|------------------------|--------------------|--|
| 0.05 | 65 | 210 | 8250 | 412 | 9 | 6 | 25 | M6 |
| 0.1 | 65 | 210 | 8250 | 825 | 19 | 13 | 20 | M6 |
| 0.12 | 65 | 210 | 8250 | 990 | 18 | 13 | 18 | M6 |
| 0.15 | 90 | 210 | 8250 | 1237 | 23 | 16 | 15 | M6 |
| 0.2 | 90 | 210 | 8250 | 1650 | 31 | 22 | 13 | M6 |
| 0.22 | 90 | 210 | 8250 | 1815 | 34 | 24 | 12 | M6 |

STHVF Specifications and Size : 3000Vac / 20000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | I _{rms} 100kHz 85C | I _{rms} 100kHz 105C | ESR mohm 100khz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------------------|------------------------------------|--------------------|--|
| 0.025 | 65 | 210 | 12200 | 305 | 7 | 5 | 35 | M6 |
| 0.33 | 65 | 210 | 12200 | 402 | 9 | 7 | 30 | M6 |
| 0.05 | 65 | 210 | 12200 | 610 | 14 | 10 | 25 | M6 |
| 0.1 | 65 | 210 | 12200 | 1220 | 23 | 17 | 20 | M6 |
| 0.12 | 90 | 210 | 12200 | 1464 | 28 | 21 | 18 | M6 |
| 0.15 | 90 | 210 | 12200 | 1830 | 35 | 26 | 15 | M6 |

STHVF Specifications and Size : 4000Vac / 25000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | I _{rms} 100kHz 85C | I _{rms} 100kHz 105C | ESR mohm 100khz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|-----------------------------------|------------------------------------|--------------------|--|
| 0.025 | 65 | 296 | 14000 | 350 | 10 | 7 | 60 | M6 |
| 0.33 | 65 | 296 | 14000 | 462 | 13 | 9 | 55 | M6 |
| 0.05 | 65 | 296 | 14000 | 700 | 14 | 10 | 50 | M6 |
| 0.75 | 90 | 296 | 14000 | 1050 | 22 | 15 | 40 | M6 |
| 0.1 | 90 | 296 | 14000 | 1400 | 29 | 20 | 36 | M6 |
| 0.12 | 90 | 296 | 14000 | 1680 | 35 | 25 | 30 | M6 |
| 0.15 | 90 | 296 | 14000 | 2100 | 38 | 26 | 30 | M6 |

STHVF Specifications and Size : 5000Vac / 30000Vdc

| Capacitance uF | Diameter D mm | Length L mm | dv/dt v/us | I _{peak} A 105C | I _{rms} 100kHz 85C | I _{rms} 100kHz 105C | ESR mohm 100khz | Electrical connection Thread / Nut d |
|-------------------|------------------|----------------|------------|-----------------------------|--------------------------------|---------------------------------|--------------------|--|
| 0.025 | 65 | 296 | 18500 | 463 | 9 | 6 | 60 | M6 |
| 0.33 | 65 | 296 | 18500 | 610 | 12 | 8 | 55 | M6 |
| 0.05 | 90 | 296 | 18500 | 925 | 19 | 13 | 50 | M6 |
| 0.1 | 90 | 296 | 18500 | 1850 | 29 | 20 | 40 | M6 |
| 0.12 | 90 | 296 | 18500 | 2220 | 34 | 24 | 30 | M6 |

2.2 High Voltage Pulse Capacitors : STHVP series

Applications :

- High Voltage Energy and Current Discharge
- Medium Frequency range and RMS Current rating
- AC / DC voltage application
- Capacitor can be discharged at rated voltage directly without any protective component even at 105C
- High Voltage Decoupling and Snubbing
- Voltage Multiplier
- Induction heating
- act as discharge capacitor to trigger laser, X-Ray and Tesla Coil
- for high voltage capacitor bank or array
- High Voltage Power Supplies

Features :

- low inductance
 - excellent Frequency Response
 - RMS Current Rating
 - high peak Pulse Current Ratings (dv/dt)
 - higher Temperature range
 - M6, M8 and M10 screw threads/nut as capacitor electrical terminal
- When compare with traditional Paper Dielectric, Oil Impregnated and Metal Enclosure Capacitor :**

- Plastic enclosure : safer when compare with oil impregnated capacitor.
- Dry construction : Epoxy Resin end seal and doesn't have impregnant liquid leakage problem
- Plastic enclosure and Epoxy Resin are flame retardant UL94-V0 grade
- compact size and light weight
- higher Insulation Resistance and Insulation Voltage
- low capacitor loss

Electrical Characteristics :

Voltage range :

| | | | | | | | |
|---------|---------|---------|----------|----------|----------|----------|----------|
| 5000Vdc | 6000Vdc | 8000Vdc | 10000Vdc | 12000Vdc | 15000Vdc | 20000Vdc | 20000Vdc |
| 2000Vac | 2300Vac | 2500Vac | 3000Vac | 3500Vac | 4000Vac | 2100Vac | 5500Vac |

Capacitance : 0.033uF - 2.2uF

Ripple RMS Current – Irms up to 65A

peak discharge current - I peak : up to 14500A

Tolerance : +/-10%, +/-5% at 22C 1kHz

Testing Voltage : 1.3 x Un 10sec (can be customized design)

Insulation Resistance : 250Vdc +25C >= 300,000Mohm
 250Vdc +85C >= 50,000Mohm
 250Vdc +105C >= 5,000Mohm

Low ESR and series Inductance

Temperature range : -25C to +70C

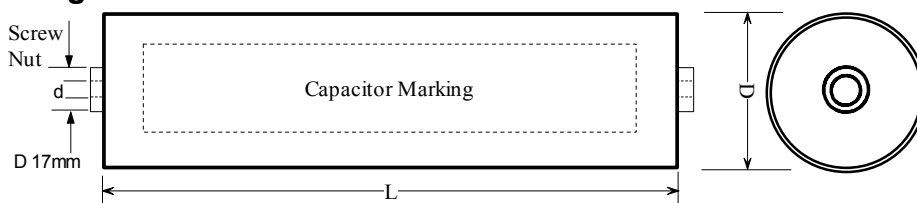
-25C to +85C

-40C to +105C (depends on capacitor raw materials)

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



Drawing :



STHVP Specifications and Size : 5000Vdc / 2000Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.68 | 65 | 147 | 4.5 | 1380 | 938 | 18 | 16.5 | 14 | 14 | M6 |
| 1 | 65 | 147 | 4.0 | 1380 | 1380 | 27 | 25 | 20 | 20 | M6 |
| 1.2 | 65 | 147 | 4.0 | 1380 | 1656 | 33 | 30 | 25 | 25 | M6 |
| 1.5 | 90 | 147 | 3.5 | 1380 | 2070 | 40 | 37 | 30 | 30 | M6 |
| 2.2 | 90 | 147 | 3.0 | 1380 | 3036 | 60 | 55 | 45 | 45 | M8 |

STHVP Specifications and Size : 6000Vdc / 2300Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.22 | 65 | 92 | 4.5 | 4400 | 968 | 22 | 20 | 16.5 | 7 | M6 |
| 0.33 | 65 | 92 | 4.0 | 4400 | 1452 | 33 | 30 | 25 | 8 | M6 |
| 0.47 | 90 | 92 | 4.0 | 4400 | 2068 | 45 | 40 | 35 | 13 | M6 |
| 0.68 | 90 | 92 | 3.5 | 4400 | 2992 | 65 | 60 | 50 | 20 | M8 |
| 0.68 | 65 | 147 | 4.5 | 2160 | 1468 | 35 | 30 | 25 | 12 | M6 |
| 1 | 90 | 147 | 4.0 | 2160 | 2160 | 50 | 45 | 35 | 15 | M6 |
| 1.2 | 90 | 147 | 4.0 | 2160 | 2592 | 60 | 55 | 45 | 18 | M6 |
| 1.5 | 90 | 147 | 3.5 | 2160 | 3240 | 65 | 60 | 55 | 22 | M6 |

STHVP Specifications and Size : 8000Vdc / 2500Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.2 | 65 | 92 | 4.0 | 7000 | 1400 | 25 | 20 | 16 | 8 | M6 |
| 0.22 | 65 | 92 | 4.0 | 7000 | 1540 | 25 | 20 | 20 | 10 | M6 |
| 0.25 | 65 | 92 | 4.0 | 7000 | 1750 | 30 | 25 | 20 | 12 | M6 |
| 0.33 | 65 | 147 | 4.5 | 3600 | 1188 | 20 | 18 | 15 | 10 | M6 |
| 0.4 | 65 | 147 | 4.0 | 3600 | 1440 | 25 | 20 | 18 | 12 | M6 |
| 0.5 | 65 | 147 | 4.0 | 3600 | 1800 | 30 | 25 | 25 | 20 | M6 |
| 0.68 | 90 | 147 | 4.0 | 3600 | 2448 | 40 | 35 | 30 | 20 | M6 |
| 1 | 90 | 147 | 3.5 | 3600 | 3600 | 60 | 55 | 45 | 25 | M6 |

STHVP Specifications and Size : 10000Vdc / 3000Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.1 | 65 | 183 | 5.0 | 8000 | 800 | 18 | 16 | 12 | 8 | M6 |
| 0.12 | 65 | 183 | 5.0 | 8000 | 960 | 22 | 16 | 15 | 10 | M6 |
| 0.15 | 65 | 183 | 5.0 | 8000 | 1200 | 23 | 20 | 15 | 10 | M6 |
| 0.2 | 65 | 183 | 5.0 | 8000 | 1600 | 25 | 22 | 18 | 12 | M6 |
| 0.22 | 65 | 183 | 5.0 | 8000 | 1760 | 25 | 22 | 18 | 12 | M6 |
| 0.25 | 65 | 183 | 4.5 | 8000 | 2000 | 30 | 25 | 18 | 12 | M6 |
| 0.3 | 90 | 183 | 4.5 | 8000 | 2400 | 35 | 30 | 23 | 16 | M6 |
| 0.33 | 65 | 183 | 4.5 | 8000 | 2640 | 40 | 35 | 25 | 18 | M6 |
| 0.4 | 90 | 183 | 4.0 | 8000 | 3200 | 40 | 35 | 25 | 18 | M6 |
| 0.47 | 90 | 183 | 4.0 | 8000 | 3760 | 55 | 50 | 40 | 27 | M6 |
| 0.5 | 90 | 183 | 3.5 | 8000 | 4000 | 55 | 50 | 40 | 27 | M6 |
| 0.68 | 90 | 183 | 3.5 | 8000 | 5440 | 65 | 60 | 45 | 30 | M6 |
| 1 | 90 | 273 | 3.5 | 4000 | 4000 | 55 | 50 | 40 | 27 | M6 |

STHVP Specifications and Size : 12000Vdc / 3500Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.05 | 65 | 183 | 4.0 | 8800 | 440 | 13 | 10 | 4.5 | 3.5 | M6 |
| 0.1 | 65 | 183 | 4.0 | 8800 | 880 | 24 | 20 | 10 | 7 | M6 |
| 0.12 | 65 | 183 | 4.0 | 8800 | 1056 | 28 | 25 | 10 | 8 | M6 |
| 0.15 | 65 | 183 | 4.0 | 8800 | 1320 | 28 | 25 | 13 | 8 | M6 |
| 0.22 | 90 | 183 | 4.0 | 8800 | 1936 | 45 | 40 | 20 | 13 | M6 |
| 0.25 | 90 | 183 | 4.0 | 8800 | 2200 | 50 | 45 | 22 | 15 | M6 |
| 0.33 | 90 | 183 | 3.5 | 8800 | 2904 | 50 | 45 | 30 | 20 | M6 |
| 0.5 | 65 | 273 | 3.5 | 4400 | 2200 | 50 | 45 | 22 | 15 | M6 |
| 0.75 | 90 | 273 | 3.5 | 4400 | 3300 | 65 | 60 | 35 | 22 | M6 |

STHVP Specifications and Size : 15000Vdc / 4000Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.05 | 65 | 264 | 5.0 | 9000 | 450 | 13 | 10 | 6.5 | 5 | M6 |
| 0.068 | 65 | 264 | 5.0 | 9000 | 612 | 18 | 13 | 6.5 | 5 | M6 |
| 0.075 | 65 | 264 | 4.5 | 9000 | 675 | 20 | 15 | 13 | 8 | M6 |
| 0.1 | 65 | 264 | 4.5 | 9000 | 900 | 20 | 17 | 13 | 8 | M6 |
| 0.12 | 65 | 264 | 4.5 | 9000 | 1080 | 30 | 25 | 15 | 10 | M6 |
| 0.15 | 65 | 264 | 4.5 | 9000 | 1350 | 30 | 25 | 15 | 10 | M6 |
| 0.2 | 65 | 264 | 4.0 | 9000 | 1800 | 40 | 35 | 15 | 14 | M6 |
| 0.25 | 90 | 264 | 4.0 | 9000 | 2250 | 50 | 45 | 30 | 18 | M6 |
| 0.3 | 90 | 264 | 3.5 | 9000 | 2700 | 50 | 45 | 30 | 20 | M6 |
| 0.33 | 90 | 264 | 3.5 | 9000 | 2970 | 55 | 50 | 30 | 22 | M6 |

STHVP Specifications and Size : 20000Vdc / 2100Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 55C | Irms 70C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.033 | 65 | 220 | 18 | 11000 | 363 | 5.5 | 3.5 | 3 | 2 | M6 |
| 0.050 | 65 | 220 | 18 | 11000 | 550 | 8 | 5.5 | 4 | 3 | M6 |
| 0.075 | 65 | 295 | 18 | 6000 | 450 | 6.5 | 4.5 | 3.5 | 2.5 | M6 |
| 0.1 | 65 | 295 | 15 | 6000 | 600 | 9 | 6 | 5 | 3 | M6 |

STHVP Specifications and Size : 20000Vdc / 5500Vac

| Capacitance uF | Diameter D mm | Length L Mm | ESR mohm 100khz | dv/dt v/us | Peak Current I _{peak} A | Irms 45C | Irms 55C | Irms 85C | Irms max. 105C | d (mm) |
|-------------------|------------------|----------------|-----------------------|---------------|--|-------------|-------------|-------------|----------------------|-----------|
| 0.05 | 65 | 264 | 5.0 | 14500 | 725 | 13 | 10 | 5.5 | 4.5 | M6 |
| 0.068 | 65 | 264 | 5.0 | 14500 | 986 | 17 | 13 | 7 | 5.5 | M6 |
| 0.075 | 65 | 264 | 4.5 | 14500 | 1088 | 18 | 15 | 8 | 6.5 | M6 |
| 0.1 | 90 | 264 | 4.5 | 14500 | 1450 | 25 | 20 | 10 | 8 | M6 |
| 0.12 | 90 | 264 | 4.0 | 14500 | 1740 | 30 | 25 | 13 | 10 | M6 |
| 0.15 | 90 | 264 | 3.5 | 14500 | 2175 | 35 | 30 | 15 | 12 | M6 |

For the other Capacitance value, Voltage, Dimension, RMS Current, dv/dt, high peak current that not listed above, please contact us for a design suited to your particular needs.