

## 2.3 High Voltage Filter Capacitors :

**STHVF-AN** : with screw Nut at Capacitor both Ends

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

### Applications :

- High Voltage 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
- DC Blocking / Ultra-Low Leakage version on request

### 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 leakage problem
- Plastic enclosure and Epoxy Resin are flame retardant UL94-V0 grade
- higher Insulation Resistance and Insulation Voltage

### Electrical Characteristics : STHVF series

**Rated Voltage** : 1,700Vdc – 23KVdc / 650Vac – 8,800Vac

**Capacitance range** : 0.075uF – 15uF with **Tolerance** : +/-10% +/-5% at 25C

**Rated Temperature** : +70C / +85C / +105C

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

**Testing Voltage** Terminal to Terminal : Vdc : 1.5 x rated Vdc 10 seconds at 85C  
Vac : 1.5 x rated Vac 10 seconds at 85C

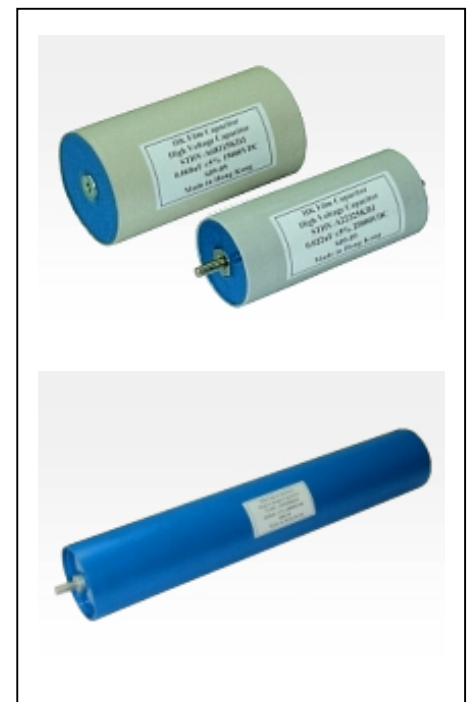
**Accelerated Life** : 1.25 x Vdc or Vac at rated Temperature for 2,000 hours

**Maximum Ripple Current** : up to 60A

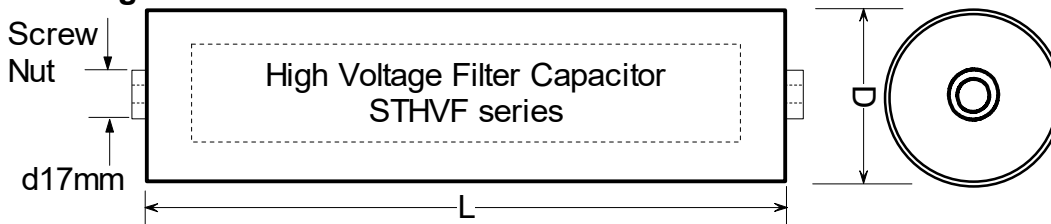
**Peak discharge current** - I peak : up to 8400A

**Temperature range** : +70C / +85C ( depends on capacitor raw materials )

Ultra-Low Leakage version is available on request



### Drawing : STHVF series



### Specifications and Size :

**STHVF-AN : 1700Vdc / 650Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN155K1700D	1.5	65	57	500	750	8.5	5.06	10	8
STHVF-AN205K1700D	2	65	57	500	1000	8.5	4.60	9	7
STHVF-AN255K1700D	2.5	65	57	300	750	8.5	4.14	9	7
STHVF-AN335K1700D	3.3	65	57	300	990	8.5	3.80	11	9
STHVF-AN405K1700D	4	65	57	300	1200	8.5	3.59	16	13
STHVF-AN505K1700D	5	90	57	300	1500	8.5	3.34	17	14
STHVF-AN605K1700D	6	90	57	300	1800	8.5	3.22	21	17

For any Capacitance, Voltage, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.

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**STHVF-AN : 1800Vdc / 750Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN405K1800D	4	65	280	1500	6000	35	5.29	8	6
STHVF-AN505K1800D	5	65	280	800	3200	35	5.52	8	7
STHVF-AN605K1800D	6	65	280	800	4800	35	5.29	10	8
STHVF-AN705K1800D	7	65	280	700	4900	35	5.29	11	9
STHVF-AN805K1800D	8	65	280	500	4000	35	3.22	11	8
STHVF-AN905K1800D	9	90	280	800	8100	35	3.22	25	20
STHVF-AN106K1800D	10	90	280	700	7000	35	3.22	27	21
STHVF-AN126K1800D	12	90	280	500	6000	20	2.99	27	21
STHVF-AN156K1800D	15	90	280	500	7500	35	2.99	33	27

**STHVF-AN : 2100Vdc / 800Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN105K2100D	1	65	57	800	800	8.5	6.21	8	7
STHVF-AN125K2100D	1.2	65	57	800	960	8.5	5.52	10	8
STHVF-AN155K2100D	1.5	65	57	800	1200	8.5	5.06	13	10
STHVF-AN205K2100D	2	65	57	800	1600	8.5	4.60	17	13
STHVF-AN335K2100D	3.3	90	57	500	1650	8.5	4.14	14	11
STHVF-AN355K2100D	3.5	90	57	500	1750	8.5	3.68	15	12
STHVF-AN405K2100D	4	90	57	500	2000	8.5	3.34	17	14

**STHVF-AN : 2200Vdc / 850Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN305K2200D	3	65	280	1500	4500	35	5.52	7	5
STHVF-AN405K2200D	4	65	280	1200	4800	35	5.52	8	6
STHVF-AN505K2200D	5	65	280	800	4000	35	5.29	8	7
STHVF-AN605K2200D	6	65	280	800	4800	35	5.29	10	8
STHVF-AN705K2200D	7	65	280	700	4900	35	5.06	11	9
STHVF-AN805K2200D	8	90	280	800	6400	20	3.68	22	18
STHVF-AN905K2200D	9	90	280	700	6300	20	3.50	25	20
STHVF-AN106K2200D	10	90	280	700	7000	20	3.34	27	21
STHVF-AN126K2200D	12	90	280	700	8400	20	3.34	30	24

**STHVF-AN : 2400Vdc / 960Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN255K2400D	2.5	65	280	1500	3750	35	5.91	6	4
STHVF-AN305K2400D	3	65	280	1500	4500	35	5.52	7	5
STHVF-AN355K2400D	3.5	65	280	1500	5250	35	5.52	8	6
STHVF-AN405K2400D	4	65	280	1200	4800	35	5.29	8	6
STHVF-AN505K2400D	5	65	280	800	4000	35	5.52	8	7
STHVF-AN605K2400D	6	65	280	800	4800	20	5.29	10	8
STHVF-AN705K2400D	7	90	280	800	5600	20	3.68	20	16
STHVF-AN805K2400D	8	90	280	800	6400	20	3.45	23	19
STHVF-AN905K2400D	9	90	280	800	7200	20	3.22	25	20
STHVF-AN106K2400D	10	90	280	800	8000	20	2.99	28	23

**STHVF-AN : 2900Vdc / 1100Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN255K2900D	2.5	65	280	1500	3750	35	5.98	6	4
STHVF-AN305K2900D	3	65	280	1500	4500	35	5.52	7	5
STHVF-AN355K2900D	3.5	65	280	1500	5250	35	5.52	8	6
STHVF-AN405K2900D	4	65	280	1200	4800	35	5.29	8	6
STHVF-AN505K2900D	5	90	280	1500	7500	35	3.45	19	15
STHVF-AN605K2900D	6	90	280	1200	7200	20	3.22	20	16

For any Capacitance, Voltage, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.

**STHVF-AN : 3000Vdc / 1200Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN684K3000D	0.68	65	57	1200	816	7.5	6.21	7	5
STHVF-AN105K3000D	1	65	57	1200	1200	7.5	5.52	10	8
STHVF-AN125K3000D	1.2	65	57	1200	1440	7.5	5.06	12	10
STHVF-AN155K3000D	1.5	90	57	1200	1800	7.5	4.37	15	12
STHVF-AN205K3000D	2	90	57	1200	2400	7.5	3.91	20	16
STHVF-AN225K3000D	2.2	90	57	1200	2640	7.5	3.45	20	16

**STHVF-AN : 3300Vdc / 1300Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN504K3300D	0.5	65	57	1500	750	7.5	6.90	6	4
STHVF-AN684K3300D	0.68	65	57	1500	1020	7.5	6.21	8	6
STHVF-AN105K3300D	1	65	57	1500	1500	7.5	5.52	11	9
STHVF-AN125K3300D	1.2	90	57	1500	1800	7.5	4.83	14	11
STHVF-AN155K3300D	1.5	90	57	1500	2250	7.5	4.37	17	13

**STHVF-AN : 4600Vdc / 1800Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN504K4600D	0.5	65	100	2300	1150	20	5.75	11	9
STHVF-AN684K4600D	0.68	65	100	1300	884	20	5.06	11	9
STHVF-AN105K4600D	1	65	100	1300	1300	20	4.60	16	12
STHVF-AN125K4600D	1.2	90	100	1300	1560	20	4.14	21	17
STHVF-AN155K4600D	1.5	90	100	1300	1950	20	3.68	26	21

**STHVF-AN : 5000Vdc / 1750Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN254K5000D	0.25	65	102	2000	500	60	6.0	15	12
STHVF-AN334K5000D	0.33	65	102	2000	660	60	5.4	15	12
STHVF-AN504K5000D	0.5	65	102	1700	850	70	5	18	15
STHVF-AN684K5000D	0.68	65	102	1700	1156	70	4.6	25	20
STHVF-AN754K5000D	0.75	65	102	1700	1275	70	4.2	25	20
STHVF-AN824K5000D	0.82	65	102	1700	1394	70	3.7	25	20
STHVF-AN105K5000D	1	90	139	1700	1700	70	3.3	30	25
STHVF-AN125K5000D	1.2	90	139	1700	2040	70	2.8	30	25
STHVF-AN155K5000D	1.5	90	139	1700	2550	70	2.5	35	30

**STHVF-AN : 6000Vdc / 1700Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN254K6000D	0.25	65	165	3100	775	35	5.3	20	15
STHVF-AN334K6000D	0.33	65	272	3100	1023	35	4.8	20	15
STHVF-AN504K6000D	0.5	90	272	3100	1550	35	4.2	35	30
STHVF-AN654K6000D	0.65	90	272	3100	2015	35	3.8	45	40
STHVF-AN754K6000D	0.75	90	215	3100	2325	45	3.4	50	45
STHVF-AN105K6000D	1	90	215	3100	3100	45	3	50	45

**STHVF-AN : 6000Vdc / 2400Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN254K6000D	0.25	65	139	2400	600	70	6.3	15	10
STHVF-AN334K6000D	0.33	65	139	2400	792	70	5.6	15	10
STHVF-AN504K6000D	0.5	65	139	2400	1200	70	5.1	25	20
STHVF-AN684K6000D	0.68	90	139	2400	1632	70	4.6	25	20
STHVF-AN754K6000D	0.75	90	139	2400	1800	70	4	30	25
STHVF-AN824K6000D	0.82	90	139	2400	1968	70	3.7	30	25
STHVF-AN105K6000D	1	90	139	2400	2400	70	3.4	35	30
STHVF-AN125K6000D	1.2	90	139	2400	2880	70	3	35	30

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**STHVF-AN : 6000Vdc / 2400Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN334K6000D	0.33	65	100	3900	1287	20	7.59	7	6
STHVF-AN504K6000D	0.5	65	100	2300	1150	20	6.90	11	9
STHVF-AN684K6000D	0.68	65	100	2300	1564	20	5.98	15	12
STHVF-AN105K6000D	1	90	100	2300	2300	20	5.29	20	16
STHVF-AN125K6000D	1.2	90	100	2300	2760	20	4.14	26	21

**STHVF-AN : 7000Vdc / 2800Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K7000D	0.22	65	100	3900	858	20	9.20	6	5
STHVF-AN254K7000D	0.25	65	100	3100	775	20	8.28	7	5
STHVF-AN334K7000D	0.33	65	100	3100	1023	20	7.59	9	7
STHVF-AN504K7000D	0.5	65	100	3100	1550	20	6.90	13	10
STHVF-AN684K7000D	0.68	90	100	3100	2108	20	5.98	18	14

**STHVF-AN : 7800Vdc / 3100Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K7800D	0.22	65	100	3900	858	20	9.20	6	5
STHVF-AN254K7800D	0.25	65	100	3900	975	20	7.82	7	6
STHVF-AN334K7800D	0.33	65	100	3900	1287	20	6.90	10	8
STHVF-AN504K7800D	0.5	90	100	3900	1950	20	6.21	15	12
STHVF-AN684K7800D	0.68	90	100	3900	2652	20	4.83	20	16

**STHVF-AN : 8000Vdc / 2500Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K8000D	0.22	65	215	4200	924	45	5.5	22	18
STHVF-AN254K8000D	0.25	65	215	4200	1050	45	4.9	22	18
STHVF-AN334K8000D	0.33	65	215	4200	1386	45	4.4	25	20
STHVF-AN504K8000D	0.5	65	215	4200	2100	45	4.1	35	30
STHVF-AN654K8000D	0.65	90	215	4200	2730	45	3.6	40	35
STHVF-AN754K8000D	0.75	90	215	4200	3150	45	3.2	50	45
STHVF-AN105K8000D	1	90	215	4200	4200	45	2.9	60	55

**STHVF-AN : 8000Vdc / 2600Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K8000D	0.22	65	139	3600	792	70	7	12	10
STHVF-AN254K8000D	0.25	65	139	3600	900	70	6.0	12	10
STHVF-AN334K8000D	0.33	65	139	3600	1188	70	5.3	15	12
STHVF-AN504K8000D	0.5	65	139	3600	1800	70	4.8	25	20
STHVF-AN684K8000D	0.68	90	139	3600	2448	70	4.3	30	25
STHVF-AN754K8000D	0.75	90	139	3600	2700	70	3.9	30	25
STHVF-AN824K8000D	0.82	90	139	3600	2952	70	3.5	33	30

**STHVF-AN : 8000Vdc / 3000Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K8000D	0.22	65	175	4800	1056	30	13.8	10	8
STHVF-AN254K8000D	0.25	65	175	3900	975	30	12.4	10	8
STHVF-AN304K8000D	0.3	65	175	3900	1170	30	11.5	12	10
STHVF-AN334K8000D	0.33	65	175	2600	858	30	10.8	12	9
STHVF-AN504K8000D	0.5	65	175	1600	800	30	9.2	13	11
STHVF-AN754K8000D	0.75	65	175	1600	1200	30	8.3	20	16
STHVF-AN105K8000D	1	90	175	1600	1600	30	7.4	27	21
STHVF-AN125K8000D	1.2	90	175	1600	1920	30.0	5.8	32	26
STHVF-AN125K8000D	1.25	90	175	1600	2000	30	4.6	33	27

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**STHVF-AN : 9300Vdc / 3700Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K9300D	0.22	65	175	4800	1056	30	13.8	10	8
STHVF-AN254K9300D	0.25	65	175	3800	950	30	12.4	10	8
STHVF-AN304K9300D	0.3	65	175	3800	1140	30	11.5	12	10
STHVF-AN334K9300D	0.33	65	175	3800	1254	30	9.2	13	11
STHVF-AN504K9300D	0.5	65	175	2300	1150	30	8.3	16	12
STHVF-AN684K9300D	0.68	90	175	2300	1564	30	7.4	21	17
STHVF-AN754K9300D	0.75	90	175	2300	1725	30	6.7	23	19
STHVF-AN105K9300D	1	90	175	2300	2300	30	6.0	30	24

**STHVF-AN : 10000Vdc / 2850Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN154K10kD	0.15	65	215	5900	885	45	6	15	13
STHVF-AN204K10kD	0.2	65	215	5900	1180	45	5.4	18	15
STHVF-AN224K10kD	0.22	65	215	5900	1298	45	4.7	20	17
STHVF-AN254K10kD	0.25	65	215	5900	1475	45	4.2	25	20
STHVF-AN334K10kD	0.33	65	215	5900	1947	45	3.8	25	22
STHVF-AN504K10kD	0.5	90	215	5900	2950	45	3.4	40	35
STHVF-AN654K10kD	0.65	90	215	5900	3835	45	3.1	50	45
STHVF-AN754K10kD	0.75	90	215	5900	4425	45	2.8	50	45

**STHVF-AN : 10000Vdc / 3000Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN154K10kD	0.15	65	139	5600	840	70	9	8	7
STHVF-AN224K10kD	0.22	65	139	5600	1232	70	7.6	10	8
STHVF-AN254K10kD	0.25	65	139	5600	1400	70	6.8	12	10
STHVF-AN334K10kD	0.33	90	139	5600	1848	70	6.1	15	12
STHVF-AN504K10kD	0.5	90	139	5600	2800	70	5.2	25	20

**STHVF-AN : 12000Vdc / 3400Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN124K12kD	0.12	65	262	6800	816	60	6.2	15	13
STHVF-AN154K12kD	0.15	65	262	6800	1020	60	5.7	15	13
STHVF-AN204K12kD	0.2	65	262	6800	1360	60	5	20	17
STHVF-AN224K12kD	0.22	65	262	6800	1496	60	4.5	20	17
STHVF-AN254K12kD	0.25	65	262	6800	1700	60	4	25	22
STHVF-AN334K12kD	0.33	90	262	6800	2244	60	3.7	30	25
STHVF-AN504K12kD	0.5	90	262	6800	3400	60	3.2	45	40
STHVF-AN654K12kD	0.65	90	262	6800	4420	60	3.0	50	45

**STHVF-AN : 12000Vdc / 3700Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN104K12kD	0.1	65	196	6100	610	75	10	8	7
STHVF-AN124K12kD	0.12	65	196	6100	732	75	9	8	7
STHVF-AN154K12kD	0.15	65	196	6100	915	75	8.2	8	7
STHVF-AN224K12kD	0.22	90	196	6100	1342	75	7.3	12	10
STHVF-AN254K12kD	0.25	90	196	6100	1525	75	6.5	15	12
STHVF-AN334K12kD	0.33	90	196	6100	2013	75	5.9	20	15

**STHVF-AN : 12000Vdc / 4800Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K12KD-V1	0.22	65	175	4800	1056	30	13.8	10	8
STHVF-AN254K12KD-V1	0.25	65	175	3800	950	30	11.0	11	9
STHVF-AN304K12KD	0.3	65	175	3800	1140	30	7.8	12	10
STHVF-AN334K12KD	0.33	65	175	3800	1254	30	7.4	13	11
STHVF-AN504K12KD	0.5	90	175	3800	1900	30	6.9	20	16

For any Capacitance, Voltage, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.

**STHVF-AN : 13000Vdc / 5000Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN224K13KD	0.22	65	175	4800	1056	30	13.8	3.0	8
STHVF-AN254K13KD	0.25	65	175	4800	1200	30	11.0	2.9	9
STHVF-AN304K13KD	0.3	90	175	4800	1440	30	7.6	3.0	11
STHVF-AN334K13KD	0.33	90	175	4800	1584	30	6.9	2.7	12

**STHVF-AN : 15000Vdc / 3750Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN104K15kD	0.1	65	295	8600	860	70	6.5	15	13
STHVF-AN124K15kD	0.12	65	295	8600	1032	70	5.9	15	13
STHVF-AN154K15kD	0.15	65	295	8600	1290	70	5.3	20	17
STHVF-AN204K15kD	0.2	65	295	8600	1720	70	4.7	20	17
STHVF-AN224K15kD	0.22	65	295	8600	1892	70	4.3	20	17
STHVF-AN254K15kD	0.25	90	295	8600	2150	70	3.9	30	25
STHVF-AN334K15kD	0.33	90	295	8600	2838	70	3.6	40	25
STHVF-AN504K15kD	0.5	90	295	8600	4300	70	3.1	50	45

**STHVF-AN : 15000Vdc / 4500Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN753K15kD	0.075	65	272	7600	570	90	12	7	6
STHVF-AN104K15kD	0.1	65	272	7600	760	90	10.5	9	7
STHVF-AN124K15kD	0.12	65	272	7600	912	90	9.6	10	8
STHVF-AN154K15kD	0.15	90	272	7600	1140	90	8.7	12	10
STHVF-AN204K15kD	0.2	90	272	7600	1520	90	7.6	12	10
STHVF-AN224K15kD	0.22	90	272	7600	1672	90	6.8	18	15
STHVF-AN254K15kD	0.25	90	272	7600	1900	90	6.2	18	15

**STHVF-AN : 16000Vdc / 6400Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN154K16KD	0.15	65	165	6000	900	40	14.0	8	7
STHVF-AN204K16KD	0.2	65	165	6000	1200	40	13.3	11	9
STHVF-AN224K16KD	0.22	90	165	6000	1320	40	12.7	12	10
STHVF-AN254K16KD	0.25	90	165	6000	1500	40	12.0	14	11
STHVF-AN304K16KD	0.3	90	165	6000	1800	40	11.3	17	13
STHVF-AN334K16KD	0.33	90	165	6000	1980	40	10.8	18	15

**STHVF-AN : 20000Vdc / 4500Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN104K20kD-V1	0.1	65	295	12900	1290	80	6.2	20	17
STHVF-AN124K20kD-V1	0.12	65	295	12900	1548	80	5.6	20	17
STHVF-AN154K20kD-V1	0.15	90	295	12900	1935	80	5	25	20
STHVF-AN204K20kD-V1	0.2	90	295	12900	2580	80	4.5	30	25
STHVF-AN224K20kD-V1	0.22	90	295	12900	2838	80	4	35	30
STHVF-AN254K20kD-V1	0.25	90	295	12900	3225	80	3.4	40	35

**STHVF-AN : 20000Vdc / 5000Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN753K20kD	0.075	65	272	10200	765	90	13	8	7
STHVF-AN104K20kD-V2	0.1	65	272	10200	1020	90	11.2	10	8
STHVF-AN124K20kD-V2	0.12	65	272	10200	1224	90	10	12	10
STHVF-AN154K20kD-V2	0.15	90	272	10200	1530	90	9	15	12
STHVF-AN204K20kD-V2	0.2	90	272	10200	2040	90	7.7	15	12
STHVF-AN224K20kD-V2	0.22	90	272	10200	2244	90	6.9	20	15
STHVF-AN254K20kD-V2	0.25	90	272	10200	2550	90	6.1	25	20

For any Capacitance, Voltage, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.

**STHVF-AN : 2000Vdc / 7700Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN104K20KD-V3	0.1	65	250	7200	720	45	14.7	7	5
STHVF-AN124K20KD-V3	0.12	65	250	7200	864	45	14.0	8	6
STHVF-AN154K20KD-V3	0.15	90	250	7200	1080	45	13.3	10	8
STHVF-AN204K20KD-V3	0.2	90	250	7200	1440	45	12.7	13	11
STHVF-AN224K20KD-V3	0.22	90	250	7200	1584	45	12.7	15	12
STHVF-AN254K20KD-V3	0.25	90	250	7200	1800	45	12.4	17	13
STHVF-AN304K20KD	0.3	90	250	7200	2160	45	11.7	20	16
STHVF-AN334K20KD	0.33	90	250	7200	2376	45	11.7	22	18

**STHVF-AN : 2300Vdc / 8800Vac**

P/N :	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I <sub>p-p</sub> A	ESL nH	ESR (mohm) 100KHz	Max. Amp 70C	Max. Amp 85C
STHVF-AN104K23KD	0.1	65	296	8400	840	50	15.4	8	6
STHVF-AN124K23KD	0.12	65	296	8400	1008	50	14.7	9	8
STHVF-AN154K23KD	0.15	90	296	8400	1260	50	14.3	12	9
STHVF-AN204K23KD	0.2	90	296	8400	1680	50	13.8	16	12
STHVF-AN224K23KD	0.22	90	296	8400	1848	50	13.3	17	14
STHVF-AN254K23KD	0.25	90	296	8400	2100	50	12.9	20	16

For any Capacitance, Voltage, dv/dt and Peak Pulse Discharge Current not listed, please contact us for a suggestion.