

3.4 High Voltage Snubber Capacitors :

STP-01RAN, STP-01RFN, STP-01RFB series

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

Applications :

High Voltage SCR Snubber and Commutation, Thyristor controlled rectifier circuits, High Current Snubber circuit, Reduce or eliminate voltage or current spikes, Limit dv/dt & di/dt, Motor Speed Control & Static Drive, Harmonic Filter, Inverter, Converter, AC Filter and high RMS ripple Current application

Properties :

Low ESR, 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 :

STP-01RAN – with M6 Screw Nut

STP-01RFN – with M6 Screw Nut

STP-01RFB – with M6 Screw Thread

Electrical Characteristics : (can be customized)

Rated Voltage : 1,200Vdc – 17KVdc / 350Vrms – 6,900Vrms

Capacitance range : 0.1 - 15uF

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

Ripple RMS Current : up to 100A

Equivalent Series Resistance (ESR) : at 23C 100kHz

Testing Voltage Terminal to Terminal : Vsurge 10 sec

Testing Voltage Terminal to Case: 4,500Vac 105C 1min.

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

Reference Standard : IEC61071

Operate Temperature :

+70C / +85C / +105C

Expected Service Life :

30,000 hours at rated Vac +85C / +105C

60,000 hours at rated Vdc +85C / +105C

Accelerated Life : 1.25 x Vac +85C / +105C 2000 hours

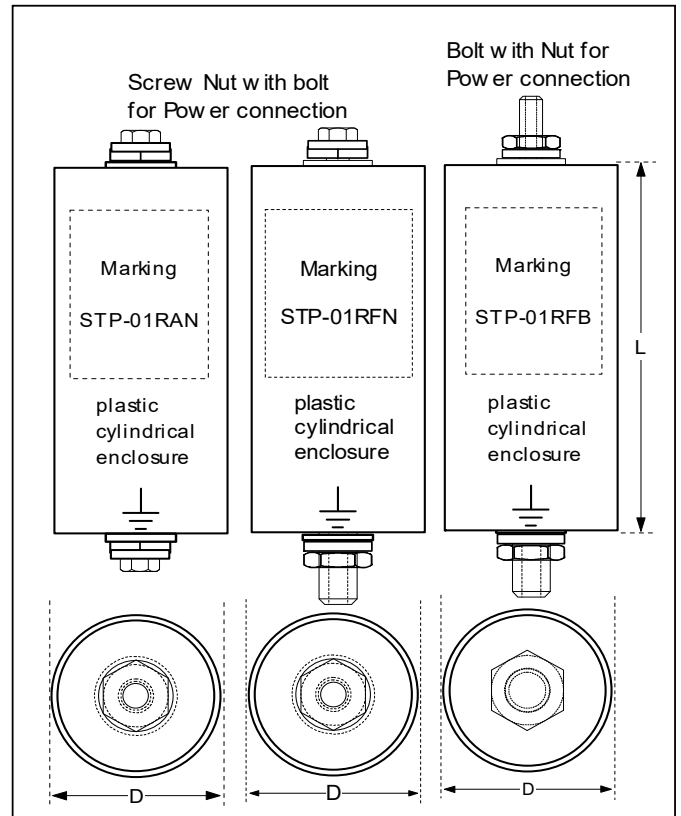
Specifications and Size :

STP-01RAN : Vndc = 1200V / Vrms = 350Vac / Vpeak = 500V 10s / Vsurge = 1900V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN155K1200D	1.5	65	57	352	500	8.5	2.20	29	25	15
STP-01RAN205K1200D	2	65	57	390	780	8.5	2.00	25	22	13
STP-01RAN255K1200D	2.5	65	57	247	620	8.5	1.80	25	22	13
STP-01RAN335K1200D	3.3	65	57	247	810	8.5	1.65	32	29	17
STP-01RAN405K1200D	4	65	57	247	1000	8.5	1.56	46	41	24
STP-01RAN505K1200D	5	90	57	247	1200	8.5	1.45	49	43	26
STP-01RAN605K1200D	6	90	57	247	1400	8.5	1.40	59	52	31

STP-01RAN : Vndc = 1500V / Vrms = 420Vac / Vpeak = 600V 10s / Vsurge = 2400V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN405K1500D	4	65	280	833	3300	35	2.30	24	20	16
STP-01RAN505K1500D	5	65	280	488	2400	35	2.40	25	21	17
STP-01RAN605K1500D	6	65	280	488	2900	35	2.30	30	25	20
STP-01RAN705K1500D	7	65	280	401	2800	35	2.30	33	27	22
STP-01RAN805K1500D	8	65	280	292	2300	35	1.40	32	27	21
STP-01RAN905K1500D	9	90	280	488	4400	35	1.40	75	63	50
STP-01RAN106K1500D	10	90	280	401	4000	35	1.40	80	66	53
STP-01RAN126K1500D	12	90	280	292	3500	20	1.30	80	67	53
STP-01RAN156K1500D	15	90	280	292	4300	35	1.30	100	84	67



For other Capacitance, Voltage, dv/dt, Peak Current and RMS Current not listed, please contact us for a suggestion.

STP-01RAN : V_{ndc} = 1600V / V_{rms} = 450Vac / V_{peak} = 650V 10s / V_{surge} = 2560V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN105K1600D	1	65	57	647	640	8.5	2.70	24	21	13
STP-01RAN125K1600D	1.2	65	57	647	770	8.5	2.40	29	25	15
STP-01RAN155K1600D	1.5	65	57	647	970	8.5	2.20	36	31	19
STP-01RAN205K1600D	2	65	57	647	1300	8.5	2.00	48	42	25
STP-01RAN335K1600D	3.3	90	57	429	1400	8.5	1.80	41	36	21
STP-01RAN355K1600D	3.5	90	57	429	1500	8.5	1.60	43	38	23
STP-01RAN405K1600D	4	90	57	429	1700	8.5	1.45	49	43	26

STP-01RAN : V_{ndc} = 1700V / V_{rms} = 480Vac / V_{peak} = 680V 10s / V_{surge} = 2880V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN305K1700D	3	65	280	900	2700	35	2.40	20	17	13
STP-01RAN405K1700D	4	65	280	720	2800	35	2.40	24	20	16
STP-01RAN505K1700D	5	65	280	530	2600	35	2.30	25	21	17
STP-01RAN605K1700D	6	65	280	530	3100	35	2.30	31	26	21
STP-01RAN705K1700D	7	65	280	435	3000	35	2.20	33	27	22
STP-01RAN805K1700D	8	90	280	530	4200	20	1.60	67	56	45
STP-01RAN905K1700D	9	90	280	435	3900	20	1.52	75	63	50
STP-01RAN106K1700D	10	90	280	435	4300	20	1.45	80	66	53
STP-01RAN126K1700D	12	90	280	435	5200	20	1.45	91	76	61

STP-01RAN : V_{ndc} = 1900V / V_{rms} = 530Vac / V_{peak} = 750V 10s / V_{surge} = 3200V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN255K1900D	2.5	235	65	1000	2500	35	2.57	17	14	11
STP-01RAN305K1900D	3	235	65	1000	3000	35	2.40	20	17	13
STP-01RAN355K1900D	3.5	235	65	1000	3500	35	2.40	23	20	16
STP-01RAN405K1900D	4	235	65	800	3200	35	2.30	24	20	16
STP-01RAN505K1900D	5	235	65	580	2900	35	2.40	25	21	17
STP-01RAN605K1900D	6	235	65	580	3500	35	2.30	31	26	21
STP-01RAN705K1900D	7	230	90	580	4100	20	1.60	59	49	39
STP-01RAN805K1900D	8	230	90	580	4700	20	1.50	70	58	47
STP-01RAN905K1900D	9	230	90	580	5300	20	1.40	75	63	50
STP-01RAN106K1900D	10	230	90	580	5900	20	1.30	85	71	57

STP-01RAN : V_{ndc} = 2200V / V_{rms} = 600Vac / V_{peak} = 900V 10s / V_{surge} = 3520V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN684K2200D	0.68	65	57	890	600	7.5	2.70	19	17	10
STP-01RAN105K2200D	1	65	57	890	890	7.5	2.40	29	25	15
STP-01RAN125K2200D	1.2	65	57	890	1000	7.5	2.20	34	30	18
STP-01RAN155K2200D	1.5	90	57	890	1300	7.5	1.90	43	38	23
STP-01RAN205K2200D	2	90	57	890	1700	7.5	1.70	57	50	30
STP-01RAN225K2200D	2.2	90	57	890	1900	7.5	1.50	57	50	30

STP-01RAN : V_{ndc} = 2300V / V_{rms} = 630Vac / V_{peak} = 900V 10s / V_{surge} = 3680V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN255K2300D	2.5	65	280	1000	2500	35	2.60	17	14	11
STP-01RAN305K2300D	3	65	280	1000	3000	35	2.40	20	17	13
STP-01RAN355K2300D	3.5	65	280	1000	3500	35	2.40	23	20	16
STP-01RAN405K2300D	4	65	280	810	3200	35	2.30	24	20	16
STP-01RAN505K2300D	5	90	280	1000	5000	20	1.50	56	47	37
STP-01RAN605K2300D	6	90	280	810	4800	20	1.40	60	50	40

For other Capacitance, Voltage, dv/dt, Peak Current and RMS Current not listed, please contact us for a suggestion.

STP-01RAN : V_{ndc} = 2500V / V_{rms} = 700Vac / V_{peak} = 1000V 10s / V_{surge} = 4000V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN504K2500D	0.5	65	57	1104	550	7.5	3.00	16	14	8
STP-01RAN684K2500D	0.68	65	57	1104	750	7.5	2.70	22	19	11
STP-01RAN105K2500D	1	65	57	1104	1100	7.5	2.40	32	28	17
STP-01RAN125K2500D	1.2	90	57	1104	1300	7.5	2.10	39	34	21
STP-01RAN155K2500D	1.5	90	57	1104	1600	7.5	1.90	48	42	25

STP-01RAN : V_{ndc} = 3400V / V_{rms} = 980Vac / V_{peak} = 1350V 10s / V_{surge} = 5440V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN504K3400D	0.5	65	100	1690	840	20	2.50	31	27	16
STP-01RAN684K3400D	0.68	65	100	1011	680	20	2.20	32	29	17
STP-01RAN105K3400D	1	65	100	1011	1000	20	2.00	44	39	23
STP-01RAN125K3400D	1.2	90	100	1011	1200	20	1.80	60	52	31
STP-01RAN155K3400D	1.5	90	100	1011	1500	20	1.60	75	66	39

STP-01RAN : V_{ndc} = 4500V / V_{rms} = 1200Vac / V_{peak} = 1800V 10s / V_{surge} = 7200V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN334K4500D	0.33	65	100	2886	950	20	3.30	21	18	11
STP-01RAN504K4500D	0.5	65	100	1690	840	20	3.00	31	27	16
STP-01RAN684K4500D	0.68	65	100	1690	1100	20	2.60	42	37	22
STP-01RAN105K4500D	1	90	100	1690	1600	20	2.30	56	49	29
STP-01RAN125K4500D	1.2	90	100	1690	2000	20	1.80	75	66	39

STP-01RAN : V_{ndc} = 5300V / V_{rms} = 1500Vac / V_{peak} = 2100V 10s / V_{surge} = 8480V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K5300D	0.22	65	100	2886	630	20	4.00	18	16	10
STP-01RAN254K5300D	0.25	65	100	2327	580	20	3.60	19	17	10
STP-01RAN334K5300D	0.33	65	100	2327	760	20	3.30	25	22	13
STP-01RAN504K5300D	0.5	65	100	2327	1100	20	3.00	37	33	20
STP-01RAN684K5300D	0.68	90	100	2327	1500	20	2.60	51	45	27

STP-01RAN : V_{ndc} = 6000V / V_{rms} = 1600Vac / V_{peak} = 2300V 10s / V_{surge} = 9600V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K6000D	0.22	65	175	4337	950	30	6.0	28	24	17
STP-01RAN254K6000D	0.25	65	175	3577	890	30	5.4	30	25	18
STP-01RAN304K6000D	0.3	65	175	3577	1000	30	5.0	36	30	21
STP-01RAN334K6000D	0.33	65	175	2406	790	30	4.7	35	29	21
STP-01RAN504K6000D	0.5	65	175	1519	760	30	4.0	38	33	24
STP-01RAN754K6000D	0.75	65	175	1519	1100	30	3.6	57	50	36
STP-01RAN105K6000D	1	90	175	1519	1500	30	3.2	76	67	48
STP-01RAN125K6000D	1.2	90	175	1519	1800	30	2.5	90	80	57
STP-01RAN1255K6000D	1.25	90	175	1519	1900	30	2.0	95	83	60

STP-01RAN : V_{ndc} = 6000V / V_{rms} = 1800Vac / V_{peak} = 2600V 10s / V_{surge} = 9600V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K6000D-V1	0.22	65	100	2886	630	20	4.00	18	16	10
STP-01RAN254K6000D-V1	0.25	65	100	2886	720	20	3.40	21	18	11
STP-01RAN334K6000D-V1	0.33	65	100	2886	950	20	3.00	27	24	14
STP-01RAN504K6000D-V1	0.5	90	100	2886	1400	20	2.70	41	36	22
STP-01RAN684K6000D	0.68	90	100	2886	1900	20	2.10	56	50	30

For other Capacitance, Voltage, dv/dt, Peak Current and RMS Current not listed, please contact us for a suggestion.

STP-01RAN : V_{ndc} = 7000V / V_{rms} = 1900Vac / V_{peak} = 2800V 10s / V_{surge} = 11200V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K7000D	0.22	65	175	4417	970	30	6.0	28	25	18
STP-01RAN254K7000D	0.25	65	175	3562	890	30	5.4	30	25	18
STP-01RAN304K7000D	0.3	65	175	3562	1000	30	5.0	36	30	22
STP-01RAN334K7000D	0.33	65	175	3562	1100	30	4.0	40	33	24
STP-01RAN504K7000D	0.5	65	175	2127	1000	30	3.6	44	39	28
STP-01RAN684K7000D	0.68	90	175	2127	1400	30	3.2	60	53	38
STP-01RAN754K7000D	0.75	90	175	2127	1600	30	2.9	67	59	42
STP-01RAN105K7000D	1	90	175	2127	2100	30	2.6	86	76	55

STP-01RAN : V_{ndc} = 9000V / V_{rms} = 2500Vac / V_{peak} = 3600V 10s / V_{surge} = 14400V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K9000D	0.22	65	175	4016	880	30	6.0	28	25	18
STP-01RAN254K9000D	0.25	65	175	3238	800	30	4.8	33	28	20
STP-01RAN304K9000D	0.3	65	175	3238	970	30	3.4	36	30	22
STP-01RAN334K9000D	0.33	65	175	3238	1000	30	3.2	40	33	24
STP-01RAN504K9000D	0.5	90	175	3238	1600	30	3.0	60	50	36

STP-AN : V_{ndc} = 10000V / V_{rms} = 2800Vac / V_{peak} = 4000V 10s / V_{surge} = 16000V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN224K10KD	0.22	65	175	4417	970	30	6.0	28	25	18
STP-01RAN254K10KD	0.25	65	175	4417	1100	30	4.8	32	28	20
STP-01RAN304K10KD	0.3	90	175	4417	1300	30	3.3	39	33	24
STP-01RAN334K10KD	0.33	90	175	4417	1400	30	3.0	43	37	26

STP-01RAN : V_{ndc} = 12000V / V_{rms} = 3600Vac / V_{peak} = 5000V 10s / V_{surge} = 19200V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN154K12KD	0.15	65	215	5521	820	40	6.1	24	21	15
STP-01RAN204K12KD	0.2	65	215	5521	1100	40	5.8	32	28	20
STP-01RAN224K12KD	0.22	90	215	5521	1200	40	5.5	35	31	22
STP-01RAN254K12KD	0.25	90	215	5521	1300	40	5.2	41	35	25
STP-01RAN304K12KD	0.3	90	215	5521	1600	40	4.9	48	42	30
STP-01RAN334K12KD	0.33	90	215	5521	1800	40	4.7	53	46	33

STP-01RAN : V_{ndc} = 15000V / V_{rms} = 4200Vac / V_{peak} = 6000V 10s / V_{surge} = 24000V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN104K15KD	0.1	65	250	6626	660	45	6.4	19	17	12
STP-01RAN124K15KD	0.12	65	250	6626	790	45	6.1	23	20	14
STP-01RAN154K15KD	0.15	90	250	6626	990	45	5.8	29	25	18
STP-01RAN204K15KD	0.2	90	250	6626	1300	45	5.5	39	33	24
STP-01RAN224K15KD	0.22	90	250	6626	1400	45	5.5	43	37	26
STP-01RAN254K15KD	0.25	90	250	6626	1600	45	5.4	48	42	30
STP-01RAN304K15KD	0.3	90	250	6626	2000	45	5.1	58	50	36
STP-01RAN334K15KD	0.33	90	250	6626	2100	45	5.1	64	55	40

STP-01RAN : V_{ndc} = 17000V / V_{rms} = 4900Vac / V_{peak} = 7000V 10s / V_{surge} = 27200V 30s/day

P/N	Cn uF	Diameter D mm	Length L mm	dv/dt v/us	Peak Current I _{p-p} A	ESL nH	ESR (mohm) 100KHz	Amp 70C	Amp 85C	Amp 105C
STP-01RAN104K17KD	0.1	65	296	7730	770	50	6.7	23	20	14
STP-01RAN124K17KD	0.12	65	296	7730	900	50	6.4	27	24	17
STP-01RAN154K17KD	0.15	90	296	7730	1100	50	6.2	34	29	21
STP-01RAN204K17KD	0.2	90	296	7730	1500	50	6.0	45	39	28
STP-01RAN224K17KD	0.22	90	296	7730	1700	50	5.8	50	43	31
STP-01RAN254K17KD	0.25	90	296	7730	1900	50	5.6	57	49	35

For other Capacitance, Voltage, dv/dt, Peak Current and RMS Current not listed, please contact us for a suggestion.

STP-01RFN V_{ndc} = 2500V / V_{rms} = 800Vac / V_{peak} = 1280V 10s / V_{surge} = 4000V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut d	Screw Bolt (Mounting)
STP-01RFN104K2500D	0.1	35	87	10.0	90	1800	180	8.5	4.5	M6	M8
STP-01RFN124K2500D	0.12	35	87	9.0	90	1800	216	10	5	M6	M8
STP-01RFN154K2500D	0.15	35	87	8.5	90	1800	270	10	4	M6	M8
STP-01RFN204K2500D	0.2	35	87	8.0	90	1800	360	10	4	M6	M8
STP-01RFN224K2500D	0.22	35	87	7.0	90	1800	396	10	4.5	M6	M8
STP-01RFN334K2500D	0.33	40	87	6.0	90	1800	594	15	6.5	M6	M8

STP-01RFN V_{ndc} = 3000V / V_{rms} = 900Vac / V_{peak} = 1440V 10s / V_{surge} = 4800V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut d	Screw Bolt (Mounting)
STP-01RFN104K3000D	0.1	35	87	10.0	90	2800	280	8	3.5	M6	M8
STP-01RFN124K3000D	0.12	35	87	9.0	90	2800	336	10	4.5	M6	M8
STP-01RFN154K3000D	0.15	35	87	8.5	90	2800	420	10	4	M6	M8
STP-01RFN204K3000D	0.2	40	87	8.0	90	2800	560	10	4.5	M6	M8
STP-01RFN224K3000D	0.22	40	87	7.0	90	2800	616	10	4.5	M6	M8
STP-01RFN254K3000D	0.25	40	87	6.0	90	2800	700	15	6	M6	M8

STP-01RFN V_{ndc} = 3400V / V_{rms} = 1000Vac / V_{peak} = 1600V 10s / V_{surge} = 5400V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut d	Screw Bolt (Mounting)
STP-01RFN224K3400D	0.22	65	118	6.0	120	1300	286	20	11	M6	M12
STP-01RFN334K3400D	0.33	65	118	6.0	120	1300	429	20	11	M6	M12
STP-01RFN474K3400D	0.47	65	118	8.0	120	1300	611	20	9	M6	M12
STP-01RFN684K3400D	0.68	65	118	7.0	120	1300	884	20	11	M6	M12
STP-01RFN754K3400D	0.75	65	118	7.0	120	1300	975	24	12	M6	M12
STP-01RFN105K3400D	1	65	118	5.0	120	1300	1300	30	16	M6	M12

STP-01RFN V_{ndc} = 4000V / V_{rms} = 1200Vac / V_{peak} = 1900V 10s / V_{surge} = 6400V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut d	Screw Bolt (Mounting)
STP-01RFN104K4000D	0.1	65	118	10.0	120	1800	180	10	5	M6	M12
STP-01RFN124K4000D	0.12	65	118	8.0	120	1800	216	10	5	M6	M12
STP-01RFN154K4000D	0.15	65	118	7.0	120	1800	270	10	6	M6	M12
STP-01RFN224K4000D	0.22	65	118	6.0	120	1800	396	20	10	M6	M12
STP-01RFN334K4000D	0.33	65	118	6.0	120	1800	594	20	11	M6	M12
STP-01RFN474K4000D	0.47	65	118	7.0	120	1800	846	20	11	M6	M12
STP-01RFN684K4000D	0.68	65	118	5.0	120	1800	1224	27	15	M6	M12

STP-01RFN V_{ndc} = 4600V / V_{rms} = 1300Vac / V_{peak} = 2080V 10s / V_{surge} = 7360V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut	Screw Bolt (Mounting)
STP-01RFN104K4600D	0.1	65	118	10.0	120	2270	227	10	5	M6	M12
STP-01RFN124K4600D	0.12	65	118	8.0	120	2270	273	10	6	M6	M12
STP-01RFN154K4600D	0.15	65	118	7.0	120	2270	341	10	7	M6	M12
STP-01RFN224K4600D	0.22	65	118	6.0	120	2270	500	16	9	M6	M12
STP-01RFN334K4600D	0.33	65	118	6.0	120	2270	750	20	11	M6	M12
STP-01RFN474K4600D	0.47	65	118	6.0	120	2270	1069	20	12	M6	M12
STP-01RFN684K4600D	0.68	65	118	5.0	120	2270	1547	28	17	M6	M12

STP-01RFN V_{ndc} = 5700V / V_{rms} = 1700Vac / V_{peak} = 2720V 10s / V_{surge} = 9120V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut d	Screw Bolt (Mounting)
STP-01RFN104K5700D	0.1	65	118	10.0	120	2600	260	10	5	M6	M12
STP-01RFN124K5700D	0.12	65	118	8.0	120	2600	312	10	6	M6	M12
STP-01RFN154K5700D	0.15	65	118	7.0	120	2600	390	12	7	M6	M12
STP-01RFN224K5700D	0.22	65	118	6.0	120	2600	572	20	11	M6	M12
STP-01RFN334K5700D	0.33	65	118	6.0	120	2600	858	22	12	M6	M12

STP-01RFN V_{ndc} = 6900V / V_{rms} = 2000Vac / V_{peak} = 3200V 10s / V_{surge} = 11040V 30s/day

Part Number	C _n uF	Diameter D mm	Length L mm	ESR mohm 100khz	ESL nH	dv/dt v/us	Peak Current I _{peak} A	I _{rms} 85C	I _{rms} 105C	Screw Nut	Screw Bolt (Mounting)
STP-01RFN104K6900D	0.1	65	118	10.0	120	4000	400	10	5	M6	M12
STP-01RFN124K6900D	0.12	65	118	8.0	120	4000	480	10	6	M6	M12
STP-01RFN154K6900D	0.15	65	118	7.0	120	4000	600	12	6	M6	M12
STP-01RFN204K6900D	0.2	65	118	6.5	120	4000	800	14	8	M6	M12
STP-01RFN224K6900D	0.22	65	118	6.0	120	4000	880	16	9	M6	M12

For other Capacitance, Voltage, dv/dt, Peak Current and RMS Current not listed, please contact us for a suggestion.