

HK Film Capacitor Ltd

2. High Voltage AC Snubber Capacitors :

STP-01Rxx series

Applications :

High Voltage SCR Snubber, Thyristor controlled rectifier circuits, High Current Snubber circuit, Reduce or eliminate voltage or current spikes, Harmonic Filter, Inverter, Converter, AC Filter

Properties :

Low Inductance, Low ESR, Excellent Frequency Response. Current Rating, High Pulse Current Ratings (dv/dt), High Voltage Capabilities, High Insulation Resistance, Flame Retardant Construction, Easy Installation

Electrical Characteristics : (can be customized)

STP-01RFT – with a Screw Bolt and a Tab-Terminal 6.35 x 0.8mm

STP-01RAN – with M6 Screw Nut + Screw Thread

STP-01RML – with M6 Screw Thread + Mounting M8 / M12 Screw Thread

STP-01RMLL – with M6 Screw Thread + Mounting M8 / M12 Screw Thread

Capacitance range : 0.1uF – 8uF

Rated Voltage : 1000Vac – 5000Vac

Peak Current : up to 5500App

Ripple RMS Current : 7A - 18A

Testing Voltage Terminal to Terminal : Rated Voltage x 1.5UN
10s

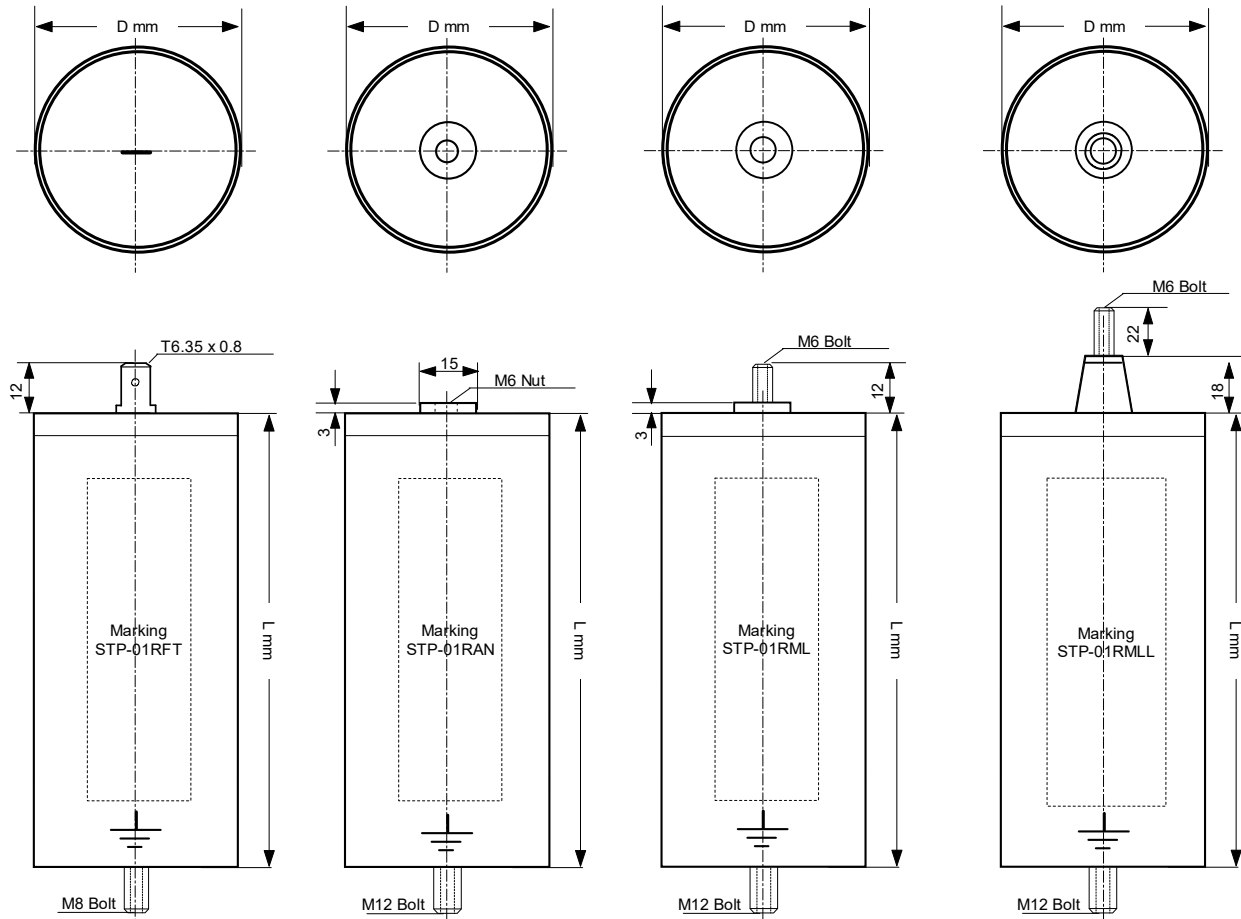
Testing Voltage Terminal to Case : 5,000Vac 10s 50Hz +23C

Insulation Resistance : 250Vdc +23C >= 50,000Mohm

Reference Standard : IEC61071

Operate Temperature : +70C

Ultra-Low Leakage version is available on request



Specifications and Size :

STP-01Rxx 1000Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K1000A	0.1	40	73	665	67	45	10.0	7	M8
STP-01Rxx224K1000A	0.22	40	73	665	146	45	9.0	10	M8
STP-01Rxx334K1000A	0.33	40	73	665	219	45	8.5	12	M8
STP-01Rxx474K1000A	0.47	40	73	665	313	45	8.0	16	M8
STP-01Rxx684K1000A	0.68	45	73	665	452	45	7.5	18	M8
STP-01Rxx105K1000A	1	45	128	370	370	75	7.0	18	M8
STP-01Rxx125K1000A	1.2	45	128	370	444	75	7.0	18	M8
STP-01Rxx155K1000A	1.5	45	128	370	555	75	6.5	18	M8
STP-01Rxx225K1000A	2.2	65	116	370	814	70	6.5	18	M12
STP-01Rxx275K1000A	2.7	65	116	370	999	70	6.5	18	M12
STP-01Rxx305K1000A	3	65	116	370	1110	70	6.0	18	M12
STP-01Rxx335K1000A	3.3	65	116	370	1221	70	5.5	18	M12

STP-01Rxx 1400Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K1400A	0.1	40	73	1110	111	45	10.0	7	M8
STP-01Rxx224K1400A	0.22	40	73	1110	244	45	9.0	10	M8
STP-01Rxx334K1400A	0.33	40	73	1110	366	45	8.5	12	M8
STP-01Rxx474K1400A	0.47	40	73	1110	522	45	8.0	16	M8
STP-01Rxx684K1400A	0.68	45	128	1110	755	45	7.5	18	M8
STP-01Rxx105K1400A	1	45	128	610	610	75	7.0	18	M8
STP-01Rxx125K1400A	1.2	45	128	610	732	75	7.0	18	M8
STP-01Rxx155K1400A	1.5	65	116	610	915	70	6.5	18	M12
STP-01Rxx225K1400A	2.2	65	116	610	1342	70	6.5	18	M12
STP-01Rxx255K1400A	2.5	65	116	610	1525	70	6.0	18	M12
STP-01Rxx275K1400A	2.7	65	116	610	1647	70	5.5	18	M12

STP-01Rxx 1800Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K1800A	0.1	45	128	927	93	75	10.0	8	M8
STP-01Rxx224K1800A	0.22	45	128	927	204	75	9.0	15	M8
STP-01Rxx334K1800A	0.33	45	128	927	306	75	8.5	15	M8
STP-01Rxx474K1800A	0.47	45	128	927	436	75	8.0	18	M8
STP-01Rxx684K1800A	0.68	65	116	927	630	70	7.5	18	M12
STP-01Rxx105K1800A	1	65	116	927	927	70	7.0	18	M12
STP-01Rxx125K1800A	1.2	65	116	927	1112	70	7.0	18	M12
STP-01Rxx155K1800A	1.5	65	116	927	1391	70	7.0	18	M12
STP-01Rxx175K1800A	1.7	65	116	927	1576	70	6.5	18	M12
STP-01Rxx225K1800A	2.2	90	116	927	2039	70	6.5	18	M12
STP-01Rxx305K1800A	3	90	116	927	2781	70	6.0	18	M12
STP-01Rxx335K1800A	3.3	90	116	927	3059	70	5.5	18	M12
STP-01Rxx405K1800A	4	65	295	690	2760	150	5.2	18	M12
STP-01Rxx505K1800A	5	90	295	690	3450	150	5.0	18	M12
STP-01Rxx605K1800A	6	90	295	690	4140	150	5.0	18	M12
STP-01Rxx705K1800A	7	90	295	690	4830	150	4.5	18	M12
STP-01Rxx805K1800A	8	90	295	690	5520	150	4.5	18	M12

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

STP-01Rxx 2200Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K2200A	0.1	45	128	1170	117	75	10.0	8	M8
STP-01Rxx224K2200A	0.22	45	128	1170	257	75	9.0	15	M8
STP-01Rxx334K2200A	0.33	45	128	1170	386	75	8.5	15	M8
STP-01Rxx474K2200A	0.47	65	140	1170	550	75	8.0	18	M8
STP-01Rxx684K2200A	0.68	65	140	1170	796	70	7.5	18	M12
STP-01Rxx105K2200A	1	65	140	1170	1170	70	7.0	18	M12
STP-01Rxx125K2200A	1.2	65	140	1170	1404	70	7.0	18	M12
STP-01Rxx155K2200A	1.5	90	140	1170	1755	70	7.0	18	M12
STP-01Rxx185K2200A	1.8	90	140	1170	2106	70	6.5	18	M12
STP-01Rxx225K2200A	2.2	90	140	1170	2574	70	6.0	18	M12
STP-01Rxx305K2200A	3	90	295	840	3360	150	5.5	18	M12
STP-01Rxx405K2200A	4	90	295	840	4200	150	5.5	18	M12
STP-01Rxx505K2200A	5	90	295	840	5040	150	5.0	18	M12
STP-01Rxx605K2200A	6	90	295	840	3360	150	5.0	18	M12

STP-01Rxx 3000Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K3000A	0.1	45	128	2217	222	75	10.0	8	M8
STP-01Rxx224K3000A	0.22	45	128	2217	488	75	9.0	15	M8
STP-01Rxx334K3000A	0.33	45	128	2217	732	75	8.5	15	M8
STP-01Rxx474K3000A	0.47	65	140	2217	1042	85	8.0	18	M8
STP-01Rxx684K3000A	0.68	65	140	2217	1508	85	7.5	18	M12
STP-01Rxx105K3000A	1	90	140	2217	2217	85	7.0	18	M12
STP-01Rxx125K3000A	1.2	90	140	2217	2660	85	7.0	18	M12
STP-01Rxx145K3000A	1.4	90	150	1025	1435	85	7.0	18	M12
STP-01Rxx225K3000A	2.2	90	295	1025	2255	150	7.0	18	M12
STP-01Rxx255K3000A	2.5	90	295	1025	2563	150	7.0	18	M12
STP-01Rxx295K3000A	2.9	90	295	1025	2973	150	7.0	18	M12
STP-01Rxx335K3000A	3.3	90	295	1025	3383	150	7.0	18	M12
STP-01Rxx405K3000A	4	90	295	1025	4100	150	6.0	18	M12

STP-01Rxx 3400Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K3400A	0.1	45	128	2700	270	75	10.0	8	M8
STP-01Rxx224K3400A	0.22	45	128	2700	594	75	9.0	15	M8
STP-01Rxx334K3400A	0.33	45	128	2700	891	75	8.5	15	M8
STP-01Rxx474K3400A	0.47	65	140	2700	1269	85	8.0	18	M12
STP-01Rxx684K3400A	0.68	65	140	2700	1836	85	7.5	18	M12
STP-01Rxx105K3400A	1	90	140	2700	2700	85	7.0	18	M12
STP-01Rxx125K3400A	1.2	90	140	2700	3240	85	7.0	18	M12
STP-01Rxx145K3400A	1.4	90	150	2400	3360	85	7.0	18	M12
STP-01Rxx225K3400A	2.2	90	295	1250	2750	150	7.0	18	M12
STP-01Rxx255K3400A	2.5	90	295	1250	3125	150	7.0	18	M12
STP-01Rxx275K3400A	2.7	90	295	1250	3375	150	7.0	18	M12
STP-01Rxx305K3400A	3	90	295	1250	3750	150	6.0	18	M12

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

STP-01Rxx 4000Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K4000A	0.1	45	128	2660	266	75	11.0	8	M8
STP-01Rxx154K4000A	0.15	45	128	2660	399	75	10.0	12	M8
STP-01Rxx224K4000A	0.22	65	150	2400	528	90	10.0	18	M12
STP-01Rxx334K4000A	0.33	65	150	2400	792	90	9.0	18	M12
STP-01Rxx474K4000A	0.47	90	150	2400	1128	90	8.5	18	M12
STP-01Rxx684K4000A	0.68	90	150	2400	1632	90	8.0	18	M12
STP-01Rxx105K4000A	1	90	260	1840	1840	130	8.0	18	M12
STP-01Rxx125K4000A	1.2	90	260	1840	2208	130	8.0	18	M12
STP-01Rxx155K4000A	1.5	90	260	1840	2760	130	8.0	18	M12

STP-01Rxx 5000Vac

(x is referring the configuration)

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	Max. RMS 70C	Configuration Mounting
STP-01Rxx104K5000A	0.1	65	295	3300	330	150	11.0	18	M12
STP-01Rxx224K5000A	0.22	65	295	3300	726	150	10.0	18	M12
STP-01Rxx254K5000A	0.25	65	295	3300	825	150	10.0	18	M12
STP-01Rxx334K5000A	0.33	90	295	3300	1089	150	9.0	18	M12
STP-01Rxx474K5000A	0.47	90	295	3300	1551	150	9.0	18	M12
STP-01Rxx684K5000A	0.68	90	295	3300	2244	150	8.0	18	M12
STP-01Rxx105K5000A	1	90	295	3300	3300	150	7.0	18	M12
STP-01Rxx125K5000A	1.2	90	295	3300	3960	150	7.0	18	M12

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