

GENERAL TECHNICAL CHARACTERISTICS

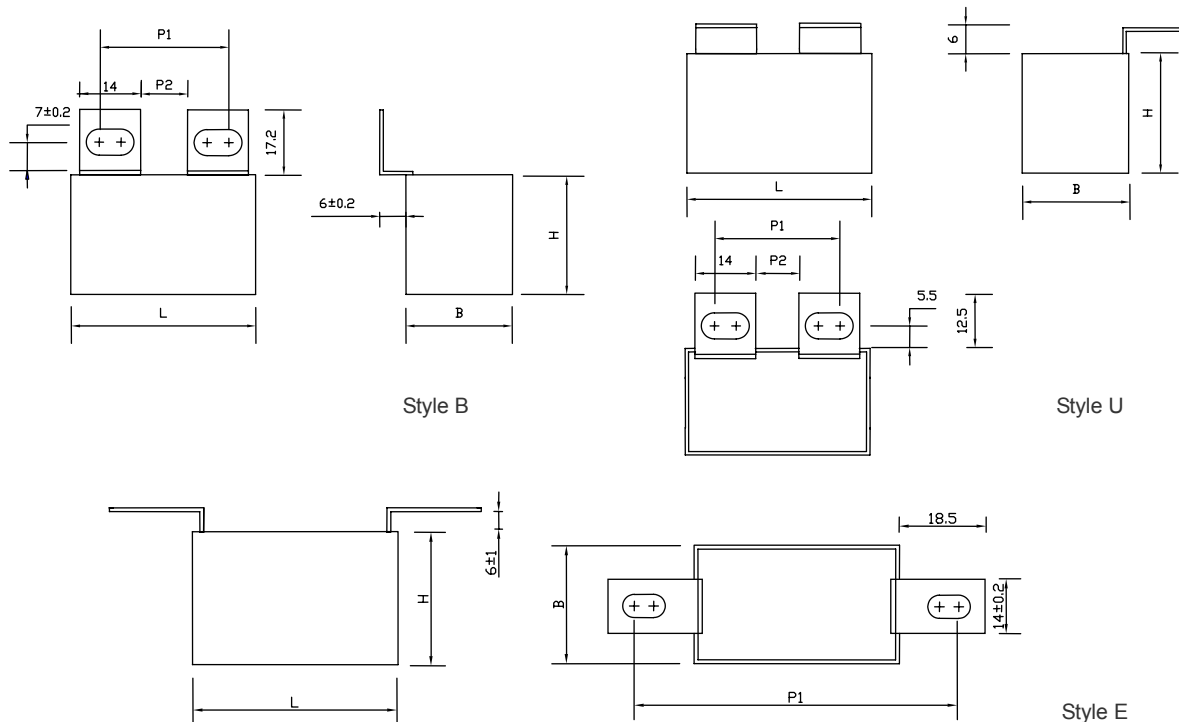
Dielectric : Polypropylene film
 Construction : Extended metallized film
 with internal series connection
 Case : Solvent resistant plastic case with resin sealing .
 Flame retardant execution (UL94V-0).
 Leads: Tinned copper lugs for screw fixing
 or soldering on PCBS

ELECTRICAL CHARACTERISTICS

Working temperature : - 40 to + 85 °C
 Capacitance : 0.047 to 10 μ F
 Rated Voltage : 700 to 3000 Vdc
 Tolerance : $\pm 5\%$, $\pm 10\%$
 Dissipation factor: Measured at 1000 $\pm$ 20 Hz AND 25 $\pm$ 5°C.
 When $Cr \leq 1.0\mu F$, 5×10^{-4} ;
 When $Cr > 1.0\mu F$, 6×10^{-4}

TEST METHODS AND PERFORMANCES

Dielectric strength: 2Ur (DC) applied for 10s at 25 $\pm$ 5°C
 (1 minute for type test)
 Insulation resistance : 3000s but need not exceed 30G Ω
 (typical value), after 1 minute of
 electrification at 100Vdc (25 $\pm$ 5°C)



Fixing pitch and distance between lugs : M6 for B and U, M8 for E Style

Style	B				U				E
Length (mm)	P2	P1	P2	P1	P2	P1	P2	P1	P1
42.5	11	23- 28	8	20- 25	11	23- 28	8	20- 25	51- 64
57.5	11	23- 28	24	37- 42	11	23- 28	24	37- 42	65- 78

Electrical specifications, ordering codes

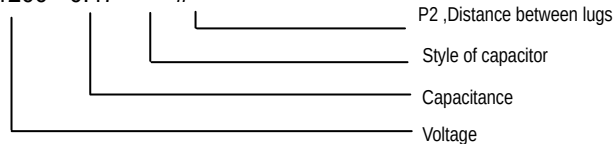
Part Nubmer	Cap (μF)	Dimension (mm)			Du/dt (v/μs)	Ipeak A	Irms max. (A)	ESR (mΩ)
		L	B	H				
Ur 700Vdc, Urms 380Vac, Upk 1000Vdc								
STF-700-1.5- *#	1.5	42.5	24.5	27.5	132	198	15	3.6
STF-700-2.0- *#	2.0	42.5	33.5	35.5	132	264	16	3.1
STF-700-3.0- *#	3.0	42.5	33.5	35.5	132	396	20	2.6
STF-700-3.3- *#	3.3	42.5	33.5	35.5	132	436	21	2.5
STF-700-4.0- *#	4.0	42.5	33.5	35.5	132	528	23	2.2
STF-700-4.7- *#	4.7	42.5	33.0	45.0	132	620	26	1.9
STF-700-5.0- *#	5.0	42.5	33.0	45.0	132	660	26	1.9
STF-700-5.6- *#	5.6	42.5	33.0	45.0	132	739	27	1.8
STF-700-6.8- *#	6.8	57.5	30.0	45.0	90	612	27	2.3
STF-700-8.2- *#	8.2	57.5	35.0	50.0	90	738	32	2.1
STF-700-10.0- *#	10.0	57.5	35.0	50.0	90	900	32	1.9
Ur 850Vdc, Urms 450Vac, Upk 1200Vdc								
STF-850-1.2- *#	1.2	42.5	24.5	27.5	200	240	15	3.3
STF-850-2.2- *#	2.2	42.5	24.5	27.5	200	440	23	2.3
STF-850-2.5- *#	2.5	42.5	33.5	35.5	200	500	24	2.1
STF-850-2.7- *#	2.7	42.5	33.5	35.5	200	540	24	2.0
STF-850-3.0- *#	3.0	42.5	33.5	35.5	200	600	26	1.9
STF-850-3.3- *#	3.3	42.5	33.0	45.0	200	660	27	1.8
STF-850-4.0- *#	4.0	42.5	33.0	45.0	200	800	28	1.7
STF-850-4.7- *#	4.7	57.5	30.0	45.0	110	517	27	2.2
STF-850-5.0- *#	5.0	57.5	30.0	45.0	110	550	28	2.2
STF-850-5.6- *#	5.6	57.5	35.0	50.0	110	616	32	1.9
STF-850-6.8- *#	6.8	57.5	35.0	50.0	110	748	32	1.8
Ur 1000Vdc, Urms 480Vac, Upk 1400Vdc								
STF-1000-1.0- *#	1.0	42.5	24.5	27.5	225	225	15	3.3
STF-1000-2.0- *#	2.0	42.5	33.5	35.5	225	450	23	2.1
STF-1000-2.5- *#	2.5	42.5	33.0	45.0	225	563	27	1.8
STF-1000-3.3- *#	3.3	57.5	30.0	45.0	130	429	26	2.4
STF-1000-4.7- *#	4.7	57.5	35.0	50.0	130	611	32	1.9
Ur 1200Vdc, Urms 500Vac, Upk 1600Vdc								
STF-1200-0.68- *#	0.68	42.5	24.5	27.5	225	153	13	4.1
STF-1200-1.5- *#	1.5	42.5	33.5	35.5	225	338	21	2.6
STF-1200-2.0- *#	2.0	42.5	33.0	45.0	225	450	26	2.0
STF-1200-2.2- *#	2.2	42.5	33.0	45.0	225	495	27	1.9
STF-1200-2.5- *#	2.5	57.5	30.0	45.0	150	375	26	2.4
STF-1200-3.0- *#	3.0	57.5	35.0	50.0	150	450	30	2.1
STF-1200-3.3- *#	3.3	57.5	35.0	50.0	150	495	31	2.0
Ur 1500Vdc, Urms 575Vac, Upk 2000Vdc								
STF-1500-0.33- *#	0.33	42.5	24.5	27.5	225	74	12	5.6
STF-1500-0.47- *#	0.47	42.5	24.5	27.5	225	106	13	4.5
STF-1500-0.68- *#	0.68	42.5	33.5	35.5	225	153	18	3.8
STF-1500-1.0- *#	1.0	42.5	33.5	35.5	225	225	21	2.6
STF-1500-1.2- *#	1.2	42.5	33.0	45.0	150	180	25	2.1
STF-1500-1.5- *#	1.5	57.5	30.0	45.0	150	225	23	3.1
STF-1500-2.0- *#	2.0	57.5	35.0	50.0	150	300	27	2.6
STF-1500-2.2- *#	2.2	57.5	35.0	50.0	175	385	28	2.5

Electrical specifications, ordering codes

Part Nubmer	Cap (μ F)	Dimension (mm)			Du/dt (v/ μ s)	Ipeak A	Irms max.	ESR (m Ω)
		L	B	H				
Ur 2000Vdc, Urms 630Vac, Upk 2400Vdc								
STF-2000-0.22- *#	0.22	42.5	24.5	27.5	410	90	11	6.4
STF-2000-0.33- *#	0.33	42.5	24.5	27.5	410	135	12	5.7
STF-2000-0.47- *#	0.47	42.5	33.5	35.5	410	193	17	3.8
STF-2000-0.56- *#	0.56	42.5	33.5	35.5	410	230	18	3.4
STF-2000-0.68- *#	0.68	42.5	33.0	45.0	410	279	22	3.0
STF-2000-0.82- *#	0.82	42.5	33.0	45.0	410	336	22	2.7
STF-2000-1.0- *#	1.0	57.5	30.0	45.0	225	225	22	3.5
STF-2000-1.5- *#	1.5	57.5	35.0	50.0	225	338	26	2.8
Ur 2500Vdc, Urms 700Vac, Upk 3000Vdc								
STF-2500-0.12- *#	0.12	42.5	24.5	27.5	550	66	8	10.3
STF-2500-0.15- *#	0.15	42.5	24.5	27.5	550	83	10	8.5
STF-2500-0.18- *#	0.18	42.5	24.5	27.5	550	99	11	7.3
STF-2500-0.22- *#	0.22	42.5	33.5	35.5	550	121	14	6.1
STF-2500-0.33- *#	0.33	42.5	33.5	35.5	550	182	16	4.5
STF-2500-0.39- *#	0.39	42.5	33.5	35.5	550	215	17	4.0
STF-2500-0.47- *#	0.47	42.5	33.0	45.0	550	259	20	3.5
STF-2500-0.56- *#	0.56	42.5	33.0	45.0	550	308	21	3.1
STF-2500-0.68- *#	0.68	57.5	30.0	45.0	290	197	21	3.9
STF-2500-1.0- *#	1.0	57.5	35.0	50.0	290	290	25	3.1
Ur 3000Vdc, Urms 750Vac, Upk 3500Vdc								
STF-3000-0.068- *#	0.068	42.5	24.5	27.5	750	51	7	14.8
STF-3000-0.10- *#	0.10	42.5	24.5	27.5	750	75	8	10.2
STF-3000-0.12- *#	0.12	42.5	33.5	35.5	750	90	11	8.9
STF-3000-0.15- *#	0.15	42.5	33.5	35.5	750	113	13	7.3
STF-3000-0.18- *#	0.18	42.5	33.5	35.5	750	135	14	6.3
STF-3000-0.22- *#	0.22	42.5	33.0	45.0	750	165	16	5.3
STF-3000-0.33- *#	0.33	42.5	33.0	45.0	750	248	19	4.2
STF-3000-0.39- *#	0.39	57.5	30.0	45.0	370	144	19	5.2
STF-3000-0.47- *#	0.47	57.5	35.0	50.0	370	174	21	4.6
STF-3000-0.56- *#	0.56	57.5	35.0	50.0	370	207	22	4.1

How to Order:

STF- 1200 - 0.47 - * #



Different values ,Custom design available upon request

More Snubber capacitors options, refer to STD,STS,STC,STM,STB