

GENERAL TECHNICAL CHARACTERISTICS

Reference standards : IEC 61071-60068
 Dielectric : Polypropylene film
 Construction : Extended metallized film with internal series connection
 Coating : Polyester tape wrapping, UL94V-0 material end fill, Dry construction
 Leads : Tinned copper wire

ELECTRICAL CHARACTERISTICS

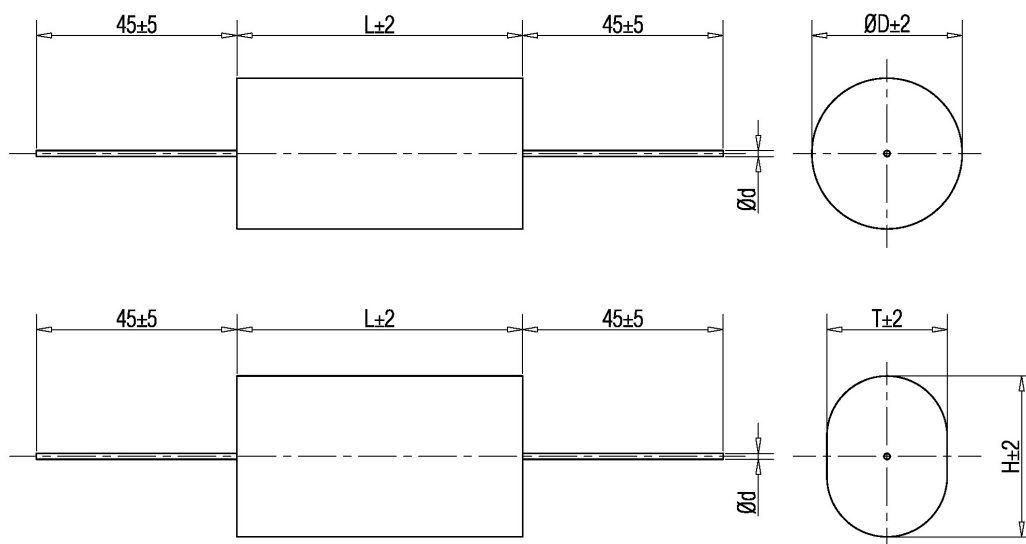
Operating temperature range: - 40 to + 85 °C (Case)
 Capacitance : 0.01 to 10.0μF
 Rated Voltage : 700 to 3000 VDC
 Tolerance : ± 5% , ± 10%
 Dissipation factor: $\leq 7 \times 10^{-4}$ Measured at 1000±20 Hz and 20±5 °C
 Life expectancy : 100,000 hours at Un and 70 °C(Hotspot temperature)

TEST METHODS AND PERFORMANCES

Dielectric strength: 1.5Un (DC) applied to 10s at 20±5 °C
 Test voltage terminal to case : 3KVAC/50Hz for 60s
 Insulation resistance : 30000s but need not exceed 30GΩ,
 (typical value), after 1 minute of electrification at 100VDC (20±5 °C)

ORDERING CODE

Please refer to Page 10, item F

**Electrical specifications, ordering codes**

Ordering Code	Cap (μF)	Dimension (mm)					du/dt (v/μs)	Ipeak (A)	Irms@60°C @10kHz (A)	ESR@10kHz (mΩ)
		L	round	flat, oval		d				
			D	T	H					
Un 700VDC , Urms 380VAC , Us 1050V										
STS-700-0.33-32#	0.33	32	11.4	8.5	13.3	0.8	185	61	5	7.4
STS-700-0.47-32#	0.47	32	13.5	9.1	17.1	0.8	185	87	6.5	5.9
STS-700-0.68-32#	0.68	32	16.3	11.6	19.6	1.0	185	126	8	4.9
STS-700-1.0-32#	1.0	32	19.5	14.7	22.7	1.0	185	185	9	4.1
STS-700-1.0-44#	1.0	44	15.8	11.0	19.0	1.0	130	130	9	4.8
STS-700-1.5-32#	1.5	32	23.7	17.2	28.4	1.0	185	278	9	3.5
STS-700-1.5-44#	1.5	44	19.1	14.2	22.2	1.0	130	195	9	4.3
STS-700-2.0-44#	2.0	44	21.9	15.5	26.7	1.0	130	260	9	4.0
STS-700-2.2-44#	2.2	44	22.9	16.4	27.6	1.0	130	286	9	3.9
STS-700-2.5-44#	2.5	44	24.4	17.8	29.0	1.2	130	325	12	3.5
STS-700-3.3-44#	3.3	44	27.9	21.1	32.3	1.2	130	429	12	3.1

Electrical specifications, ordering codes

Ordering Code	Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)	Ipeak (A)	Irms@25°C @10kHz (A)	ESR@10kHz (m Ω)
		L	round	flat, oval		d				
			D	T	H					
Un 700VDC , Urms 380VAC , Us 1050V										
STS-700-3.3-57#	3.3	57	23.4	16.9	28.1	1.2	90	297	12	3.9
STS-700-4.0-57#	4.0	57	25.7	19.1	30.3	1.2	90	360	12	4.1
STS-700-4.7-57#	4.7	57	27.8	21.1	32.3	1.2	90	423	12	3.7
STS-700-5.0-44#	5.0	44	34.2	27.2	38.4	1.2	130	650	12	3.2
STS-700-5.6-44#	5.6	44	36.2	29.0	40.2	1.2	130	728	12	3.1
STS-700-5.6-57#	5.6	57	30.3	23.4	34.6	1.2	90	504	12	3.4
STS-700-6.8-57#	6.8	57	33.3	26.3	37.5	1.2	90	612	12	3.1
STS-700-8.2-57#	8.2	57	36.5	29.4	40.6	1.2	90	738	12	2.7
STS-700-10-57#	10	57	40.3	33.0	44.2	1.2	90	900	12	2.5
Un 850VDC , Urms 450VAC , Us 1275V										
STS-850-0.15-32#	0.15	32	9.4	6.6	11.4	0.8	300	45	4.5	10.0
STS-850-0.22-32#	0.22	32	11.2	8.3	13.1	0.8	300	66	5.5	8.4
STS-850-0.33-32#	0.33	32	13.5	9.2	17.2	0.8	300	99	7	6.6
STS-850-0.47-32#	0.47	32	16.3	11.5	19.5	1.0	300	141	9	5.4
STS-850-0.68-32#	0.68	32	19.3	14.5	22.5	1.0	300	204	9	4.3
STS-850-0.68-44#	0.68	44	15.6	10.9	18.9	1.0	200	136	9	5.4
STS-850-1.0-32#	1.0	32	23.3	16.8	28.0	1.2	300	300	12	3.2
STS-850-1.0-44#	1.0	44	18.7	13.9	21.9	1.2	200	200	9	4.3
STS-850-1.5-44#	1.5	44	22.7	16.2	27.4	1.2	200	300	12	3.5
STS-850-2.2-44#	2.2	44	27.3	20.6	31.8	1.2	200	440	12	2.9
STS-850-2.2-57#	2.2	57	23.0	16.5	27.7	1.2	110	242	12	4.3
STS-850-2.5-44#	2.5	44	29.1	22.3	33.5	1.2	200	500	12	2.7
STS-850-2.5-57#	2.5	57	24.4	17.9	29.1	1.2	110	275	12	4.1
STS-850-3.0-44#	3.0	44	31.8	24.9	36.1	1.2	200	600	12	2.4
STS-850-3.0-57#	3.0	57	26.7	20.0	31.2	1.2	110	330	12	3.6
STS-850-3.3-57#	3.3	57	28.0	21.2	32.4	1.2	110	363	12	3.5
STS-850-4.7-57#	4.7	57	33.3	26.2	37.4	1.2	110	517	12	3.1
STS-850-5.0-57#	5.0	57	34.3	27.2	38.4	1.2	110	550	12	2.7
STS-850-5.6-57#	5.6	57	36.2	29.1	40.3	1.2	110	616	12	2.5
STS-850-6.8-57#	6.8	57	39.9	32.6	43.8	1.2	110	748	12	2.3
Un 1000VDC , Urms 480VAC , Us 1500V										
STS-1000-0.068-32#	0.068	32	7.7	4.9	9.7	0.8	340	23	3	18
STS-1000-0.10-32#	0.10	32	9.0	6.2	11.0	0.8	340	34	3.5	14
STS-1000-0.15-32#	0.15	32	10.8	8.0	12.8	0.8	340	51	4.5	10.3
STS-1000-0.22-32#	0.22	32	12.9	8.6	16.6	0.8	340	75	5.5	7.7
STS-1000-0.33-32#	0.33	32	15.9	11.2	19.2	1.0	340	112	7.5	5.8
STS-1000-0.47-32#	0.47	32	18.8	13.9	21.9	1.0	340	160	9	4.6
STS-1000-0.47-44#	0.47	44	15.2	10.5	18.5	1.0	225	106	9	5.8
STS-1000-0.68-32#	0.68	32	22.4	16.0	27.2	1.0	340	231	9	3.8
STS-1000-0.68-44#	0.68	44	18.0	13.2	21.2	1.0	225	153	9	4.9
STS-1000-1.0-44#	1.0	44	21.7	15.3	26.5	1.2	225	225	12	3.9
STS-1000-1.5-44#	1.5	44	26.4	19.7	30.9	1.2	225	338	12	3.1
STS-1000-1.5-57#	1.5	57	22.2	15.7	26.9	1.2	135	203	12	4.1
STS-1000-2.0-44#	2.0	44	30.3	23.5	34.7	1.2	225	450	12	2.6
STS-1000-2.0-57#	2.0	57	25.5	18.8	30.0	1.2	135	270	12	3.9
STS-1000-2.2-44#	2.2	44	31.8	24.9	36.1	1.2	225	495	12	3.1
STS-1000-2.5-44#	2.5	44	33.9	26.8	38.0	1.2	225	563	12	2.9
STS-1000-2.5-57#	2.5	57	28.4	21.6	32.8	1.2	135	338	12	3.5
STS-1000-3.0-57#	3.0	57	31.0	24.1	35.3	1.2	135	405	12	3.1
STS-1000-3.3-57#	3.3	57	32.5	25.5	36.7	1.2	135	446	12	3.0

Electrical specifications, ordering codes

Ordering Code	Cap (μF)	Dimension (mm)					du/dt (v/μs)	Ipeak (A)	Irms@25°C @10kHz (A)	ESR@10kHz (mΩ)
		L	round	flat, oval		d				
			D	T	H					
Un 1000VDC , Urms 480VAC , Us 1500V										
STS-1000-4.0-57#	4.0	57	35.7	28.6	39.8	1.2	135	540	12	2.7
STS-1000-4.7-57#	4.7	57	38.7	31.5	42.7	1.2	135	635	12	2.4
Un 1200VDC , Urms 500VAC , Us 1800V										
STS-1200-0.10-32#	0.10	32	10.7	7.8	12.6	0.8	390	39	3.5	13.5
STS-1200-0.22-32#	0.22	32	15.7	11.0	19.0	0.8	390	86	6.5	7.1
STS-1200-0.33-32#	0.33	32	19.0	14.2	22.2	1.0	390	129	8.5	5.3
STS-1200-0.33-44#	0.33	44	14.3	9.9	17.9	1.0	255	84	7.5	6.1
STS-1200-0.47-32#	0.47	32	22.5	16.1	27.3	1.0	390	183	9	3.7
STS-1200-0.47-44#	0.47	44	17.2	12.4	20.4	1.0	255	120	9	5.6
STS-1200-0.68-44#	0.68	44	20.5	15.6	23.6	1.0	255	173	9	4.9
STS-1200-1.0-44#	1.0	44	24.7	18.1	29.3	1.2	255	255	12	4.1
STS-1200-1.2-44#	1.2	44	26.9	20.2	31.4	1.2	255	306	12	3.7
STS-1200-1.5-44#	1.5	44	30.0	23.2	34.4	1.2	255	383	12	3.2
STS-1200-1.5-57#	1.5	57	25.2	18.6	29.8	1.2	150	225	12	4.2
STS-1200-2.0-57#	2.0	57	29.0	22.2	33.4	1.2	150	300	12	3.6
STS-1200-2.2-57#	2.2	57	30.4	23.5	34.7	1.2	150	330	12	3.4
STS-1200-2.5-57#	2.5	57	32.4	25.4	36.6	1.2	150	375	12	3.0
STS-1200-3.0-57#	3.0	57	35.4	28.3	39.5	1.2	150	450	12	2.7
STS-1200-3.3-57#	3.3	57	37.1	29.9	41.1	1.2	150	495	12	2.6
Un 1500VDC , Urms 575VAC , Us 2250V										
STS-1500-0.068-32#	0.068	32	10.5	7.6	12.4	0.8	490	33	3.5	16.1
STS-1500-0.10-32#	0.10	32	12.5	8.2	16.2	0.8	490	49	4.5	12
STS-1500-0.15-32#	0.15	32	15.4	10.7	18.7	1.0	490	74	6	8.7
STS-1500-0.22-32#	0.22	32	18.4	13.6	21.6	1.0	490	108	8	6.5
STS-1500-0.22-44#	0.22	44	14.6	10.2	18.2	1.0	320	70	7.5	8.5
STS-1500-0.33-32#	0.33	32	22.3	15.9	27.1	1.0	490	162	9	4.7
STS-1500-0.33-44#	0.33	44	17.9	13.1	21.1	1.0	320	106	9	6.4
STS-1500-0.47-44#	0.47	44	21.2	14.9	26.1	1.2	320	150	12	5.1
STS-1500-0.68-44#	0.68	44	25.4	18.8	30.0	1.2	320	218	12	4.4
STS-1500-1.0-44#	1.0	44	30.7	23.8	35.0	1.2	320	320	12	3.3
STS-1500-1.0-57#	1.0	57	25.7	19.1	30.3	1.2	210	210	12	5.1
STS-1500-1.2-57#	1.2	57	28.1	21.3	32.5	1.2	210	252	12	4.5
STS-1500-1.5-57#	1.5	57	31.3	24.4	35.6	1.2	210	315	12	3.9
STS-1500-2.0-57#	2.0	57	36.1	29.0	40.2	1.2	210	420	12	3.3
STS-1500-2.2-57#	2.2	57	37.8	30.6	41.8	1.2	210	462	12	3.2
Un 2000VDC , Urms 630VAC , Us 3000V										
STS-2000-0.047-32#	0.047	32	10.4	7.6	12.4	0.8	650	31	3	20.5
STS-2000-0.068-32#	0.068	32	12.4	9.5	14.3	0.8	650	44	4	15
STS-2000-0.10-32#	0.10	32	15.1	10.4	18.4	0.8	650	65	5.5	11.6
STS-2000-0.15-32#	0.15	32	18.2	13.4	21.4	1.0	650	98	7.5	8.2
STS-2000-0.15-44#	0.15	44	14.5	10.1	18.1	1.0	410	62	6.5	10
STS-2000-0.22-32#	0.22	32	21.9	15.5	26.7	1.0	650	143	9	5.7
STS-2000-0.22-44#	0.22	44	17.6	12.8	20.8	1.0	410	90	9	7.2
STS-2000-0.33-44#	0.33	44	21.4	15.0	26.2	1.2	410	135	12	5.5
STS-2000-0.47-44#	0.47	44	25.3	18.7	29.9	1.2	410	193	12	4.5
STS-2000-0.56-44#	0.56	44	27.6	20.8	32.0	1.2	410	230	12	3.7
STS-2000-0.68-44#	0.68	44	30.3	23.5	34.7	1.2	410	279	12	3.7
STS-2000-0.68-57#	0.68	57	25.4	18.8	30.0	1.2	225	153	12	5.4
STS-2000-1.0-57#	1.0	57	30.7	23.8	35.0	1.2	225	225	12	4.3
STS-2000-1.5-57#	1.5	57	37.5	30.3	41.5	1.2	225	338	12	3.5

Electrical specifications, ordering codes

Ordering Code	Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)	Ipeak (A)	Irms@25°C @10kHz (A)	ESR@10kHz (m Ω)
		L	round	flat, oval		d				
			D	T	H					
Un 2500VDC , Urms 700VAC , Us 3750V										
STS-2500-0.033-32#	0.033	32	11.5	8.7	13.5	0.8	870	29	3	26
STS-2500-0.047-32#	0.047	32	13.6	9.3	17.3	0.8	870	41	4	19.1
STS-2500-0.068-32#	0.068	32	16.5	11.7	19.7	0.8	870	59	5	14.5
STS-2500-0.10-32#	0.10	32	19.8	14.9	22.9	1.0	870	87	6	11
STS-2500-0.10-44#	0.10	44	15.9	11.2	19.2	1.0	550	55	7	14.2
STS-2500-0.15-32#	0.15	32	24.0	17.5	28.7	1.0	870	131	8.5	7.6
STS-2500-0.15-44#	0.15	44	19.3	14.4	22.4	1.0	550	83	7.5	9.3
STS-2500-0.22-44#	0.22	44	23.2	16.7	27.9	1.2	550	121	10	6.8
STS-2500-0.33-44#	0.33	44	28.2	21.4	32.6	1.2	550	182	12	5.2
STS-2500-0.39-44#	0.39	44	30.6	23.7	34.9	1.2	550	215	12	4.6
STS-2500-0.47-44#	0.47	44	33.6	26.5	37.7	1.2	550	259	12	4.2
STS-2500-0.47-57#	0.47	57	28.1	21.4	32.6	1.2	280	132	12	5.8
STS-2500-0.68-57#	0.68	57	33.7	26.7	37.9	1.2	280	190	12	4.8
STS-2500-1.0-57#	1.0	57	40.8	33.5	44.7	1.2	280	280	12	3.9
Un 3000VDC , Urms 750VAC , Us 4500V										
STS-3000-0.010-32#	0.010	32	8.3	5.5	10.3	0.8	1200	12	1.5	68
STS-3000-0.022-32#	0.022	32	11.8	8.9	13.7	0.8	1200	26	2	31.5
STS-3000-0.033-32#	0.033	32	14.2	9.8	17.8	0.8	1200	40	3	22
STS-3000-0.047-32#	0.047	32	17.1	12.3	20.3	1.0	1200	56	5	16
STS-3000-0.068-32#	0.068	32	20.3	15.4	23.4	1.0	1200	82	7	12
STS-3000-0.068-44#	0.068	44	16.4	11.6	19.6	1.0	750	51	6	15
STS-3000-0.10-44#	0.10	44	19.7	14.8	22.8	1.0	750	75	7.5	11
STS-3000-0.12-44#	0.12	44	21.5	15.1	26.3	1.2	750	90	8	10
STS-3000-0.15-44#	0.15	44	23.9	17.4	28.6	1.2	750	113	10	8
STS-3000-0.18-44#	0.18	44	26.1	19.4	30.6	1.2	750	135	10	7
STS-3000-0.22-44#	0.22	44	28.8	22.0	33.2	1.2	750	165	12	6
STS-3000-0.22-57#	0.22	57	24.2	17.6	28.8	1.2	370	81	12	7.7
STS-3000-0.33-57#	0.33	57	29.4	22.6	33.8	1.2	370	122	12	6.2
STS-3000-0.47-57#	0.47	57	35.0	27.9	39.1	1.2	370	174	12	5.5
STS-3000-0.56-57#	0.56	57	38.2	31.0	42.2	1.2	370	207	12	5.1