

GENERAL TECHNICAL CHARACTERISTICS

Reference standards :	IEC 61071 60068
Dielectric :	Polypropylene film
Construction :	Extended metallized film
Coating :	Aluminum case. Dry construction
Leads:	Threaded insert M6, bolt available

ELECTRICAL CHARACTERISTICS

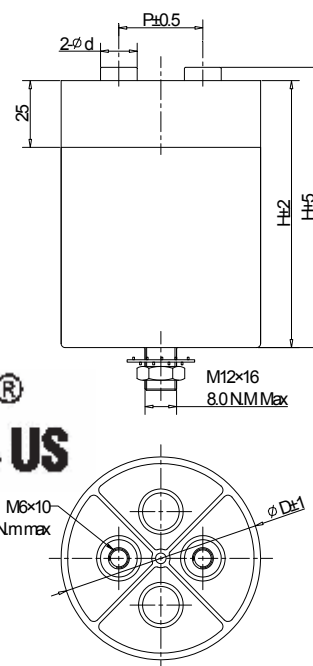
Operating temperature range :	- 40 to + 85 °C (Hotspot temperature)
Capacitance :	33 to 2750 μ F
Rated Voltage :	900 to 4000 VDC
Tolerance :	$\pm 5\%$, $\pm 10\%$
Dissipation factor:	$\leq 3 \times 10^{-3}$ Measured at 100 Hz and $20 \pm 5^\circ\text{C}$
Life expectancy :	100,000 hours at Un and 70°C (Hotspot temperature)

TEST METHODS AND PERFORMANCES

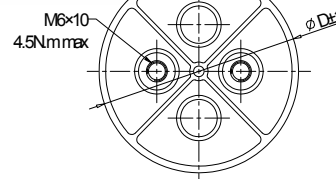
Dielectric strength:	1.5Un (DC) applied to 10s at $20 \pm 5^\circ\text{C}$
Test voltage terminal to case :	(1.5 $\times$ Un+1000)VAC, Min 3000VAC, for 60 sec
Insulation resistance :	≥ 10000 s, after 1 minute of electrification at 100VDC ($20 \pm 5^\circ\text{C}$)

ORDERING CODE

Please refer to Page 10, item J



CAUS

**Electrical specifications, ordering codes**

Ordering Code	Cap (μ F)	D (mm)	H (mm)	Ipeak (KA)	Irms@45°C @10kHz (A)	ESR@1.0kHz (m Ω)	Ls (nH)	Rth (kW)	Wn (Ws)	Weight (Kg)
Un 900VDC , Us 1350V , Ur 200V										
SHP-900-370-FS	370	76	125	3.3	60	1.2	40	3.7	150	0.75
SHP-900-390-FS	390	76	120	1.6	33	3.7	60	3.9	158	0.70
SHP-900-450-FS	450	76	145	3.2	61	1.3	45	3.2	182	0.85
SHP-900-490-FS	490	86	125	4.4	71	0.9	40	3.3	198	0.95
SHP-900-520-FS	520	86	120	2.1	40	2.9	60	3.5	211	0.90
SHP-900-570-FS	570	76	175	3.4	61	1.6	50	2.7	231	1.1
SHP-900-600-FS	600	86	145	4.2	72	1.1	45	2.9	243	1.1
SHP-900-750-FS	750	86	175	4.5	73	1.3	50	2.4	304	1.3
SHP-900-780-FS	780	76	225	3.1	63	2.0	60	2.0	316	1.3
SHP-900-1000-FS	1000	116	125	4.0	53	1.6	60	2.9	405	1.7
SHP-900-1050-FS	1050	86	225	4.2	76	1.5	60	1.8	425	1.6
SHP-900-1100-FS	1100	116	150	7.7	88	0.7	45	2.5	446	2.1
SHP-900-1450-FS	1450	116	180	8.7	90	0.7	50	2.1	587	2.4
SHP-900-2000-FS	2000	116	230	8.0	92	0.9	60	1.7	810	3.0
SHP-900-2750-FS	2750	136	230	11.0	99	0.7	60	1.5	1114	4.1
Un 1100VDC , Us 1650V , Ur 250V										
SHP-1100-250-FS	250	76	120	1.5	30	4.6	60	3.9	151	0.70
SHP-1100-330-FS	330	86	120	2.0	36	3.6	60	3.5	200	0.90
SHP-1100-370-FS	370	86	130	1.9	36	3.8	60	3.2	224	0.95
SHP-1100-400-FS	400	86	145	4.0	67	1.2	45	2.9	242	1.1
SHP-1100-420-FS	420	86	155	4.2	69	1.2	45	2.7	254	1.2
SHP-1100-500-FS	500	86	175	4.0	67	1.5	50	2.4	303	1.3
SHP-1100-650-FS	650	116	125	3.9	49	1.9	60	2.9	393	1.7
SHP-1100-680-FS	680	86	225	4.1	69	1.8	60	1.8	411	1.6
SHP-1100-730-FS	730	116	150	7.3	82	0.8	45	2.5	442	2.1

Electrical specifications, ordering codes

Ordering Code	Cap (μ F)	D (mm)	H (mm)	Ipeak (KA)	Irms@45°C @10kHz (A)	ESR@1.0kHz (m Ω)	Ls (nH)	Rth (k/W)	Wn (Ws)	Weight (Kg)
Un 1100VDC , Us 1650V , Ur 250V										
SHP-1100-900-FS	900	136	125	5.4	54	1.4	60	2.5	545	2.3
SHP-1100-920-FS	920	116	180	7.4	82	0.9	50	2.1	557	2.4
SHP-1100-1250-FS	1250	116	230	7.5	84	1.1	60	1.7	756	3.0
SHP-1100-1700-FS	1700	136	230	10.2	90	0.9	60	1.5	1029	4.2
SHP-1100-1900-FS	1900	136	260	15.2	120	0.5	50	1.3	1150	4.7
SHP-1100-2550-FS	2550	136	335	15.3	120	0.6	60	1.0	1543	6.0
Un 1200VDC , Us 1800V , Ur 250V										
SHP-1200-220- FS	220	76	120	1.3	29.2	4.9	60	3.9	158.4	0.6
SHP-1200-250- FS	250	86	120	1.5	32.7	4.3	60	3.5	180	0.9
SHP-1200-250- FS	250	86	125	3.0	62.7	1.3	40	3.3	180	1.0
SHP-1200-270- FS	270	86	120	1.6	33.9	4.0	60	3.5	194.4	0.8
SHP-1200-330- FS	330	116	125	2.0	40.8	3.3	60	2.9	237.6	1.7
SHP-1200-330- FS	330	86	140	1.7	34.0	4.7	80	3	237.6	1.0
SHP-1200-420- FS	420	86	175	3.4	64.5	1.6	50	2.4	302.4	1.2
SHP-1200-470- FS	470	86	225	2.8	60.7	2.4	60	1.8	338.4	1.6
SHP-1200-500- FS	500	116	130	5.0	88.0	2.4	30	2.7	360	1.8
SHP-1200-550- FS	550	116	150	3.3	98.1	0.9	45	1.8	396	2.0
SHP-1200-560- FS	560	86	225	3.4	65.5	2.1	60	1.8	403.2	1.6
SHP-1200-680- FS	680	116	180	5.4	83.1	1.1	50	2.1	489.6	2.4
SHP-1200-1000- FS	1000	136	180	6.0	99.8	0.9	50	1.9	720	3.4
SHP-1200-1000- FS	1000	116	230	6.0	85.4	1.3	60	1.7	720	2.9
SHP-1200-1200- FS	1200	136	230	7.2	97.4	1.1	60	1.5	864	4.3
SHP-1200-1800- FS	1800	136	335	10.8	120.0	0.9	60	1	1296	6.3
Un 2000VDC , Us 3000V , Ur 400V										
SHP-2000-75-FS	75	76	120	1.1	22	8.4	60	3.9	135	0.70
SHP-2000-100-FS	100	86	120	1.4	27	6.3	60	3.5	181	0.90
SHP-2000-150-FS	150	86	175	2.9	51	2.6	50	2.4	271	1.3
SHP-2000-190-FS	190	116	125	2.7	36	3.4	60	2.9	343	1.7
SHP-2000-200-FS	200	86	225	2.8	52	3.3	60	1.8	361	1.7
SHP-2000-220-FS	220	116	150	5.5	65	1.2	45	2.5	397	2.1
SHP-2000-275-FS	275	136	125	3.9	41	2.4	60	2.5	496	2.3
SHP-2000-280-FS	280	116	180	5.3	64	1.5	50	2.1	505	2.4
SHP-2000-380-FS	380	116	230	5.3	65	1.8	60	1.7	686	3.0
SHP-2000-400-FS	400	136	180	7.6	71	1.1	50	1.9	722	3.3
SHP-2000-540-FS	540	136	230	7.6	72	1.3	60	1.5	975	4.1
SHP-2000-600-FS	600	136	260	11.4	99	0.8	50	1.3	1083	4.6
SHP-2000-800-FS	800	136	335	11.2	102	1.0	60	1.0	1444	6.0
Un 2500VDC , Us 3750V , Ur 600V										
SHP-2500-95-FS	95	116	130	1.5	43	2.5	40	2.8	297	1.8
SHP-2500-130-FS	130	136	130	2.1	47	1.9	40	2.4	406	2.5
SHP-2500-200-FS	200	116	230	1.6	42	4.4	60	1.7	625	3.0
SHP-2500-280-FS	280	136	230	2.2	46	3.2	60	1.5	875	4.1
Un 3000VDC , Us 4500V , Ur 700V										
SHP-3000-39- FS	39	76	175	0.9	21	13.9	50	2.7	175.5	1.0
SHP-3000-47- FS	47	86	145	1.5	28	7.4	45	2.9	211.5	1.0
SHP-3000-56- FS	56	76	225	1.1	22	17.4	60	2	252	1.2
SHP-3000-68- FS	68	116	130	2.4	40	3.6	40	2.8	306	1.8
SHP-3000-82- FS	82	86	225	1.6	27	12.0	60	1.8	369	1.5
SHP-3000-100- FS	100	116	180	2.4	37	5.6	50	2.1	450	2.3
SHP-3000-120- FS	120	136	180	2.9	43	4.7	50	1.9	540	3.5
SHP-3000-150- FS	150	116	230	3.0	38	6.7	60	1.7	675	2.9
SHP-3000-180- FS	180	136	230	3.6	54	5.6	60	1	810	4.2

Electrical specifications, ordering codes

Ordering Code	Cap (μ F)	D (mm)	H (mm)	I _{peak} (KA)	I _{rms} @45°C @10kHz (A)	ESR@1.0kHz (m Ω)	Ls (nH)	R _{th} (k/W)	Wn (Ws)	Weight (Kg)
Un 3600VDC , Us 5400V , Ur 800V										
SHP-3600-42-FS	42	116	130	1.3	35	3.7	40	2.8	272	1.8
SHP-3600-60-FS	60	136	130	1.8	40	2.7	40	2.4	389	2.5
SHP-3600-88-FS	88	116	230	1.2	34	6.6	60	1.7	570	3.0
SHP-3600-125-FS	125	136	230	1.8	38	4.7	60	1.5	810	4.1
Un 4000VDC , Us 6000V , Ur 900V										
SHP-4000-33-FS	33	116	130	1.2	33	4.2	40	2.8	264	1.8
SHP-4000-47-FS	47	136	130	1.6	37	3.0	40	2.4	376	2.5
SHP-4000-70-FS	70	116	230	1.2	32	7.4	60	1.7	560	3.0
SHP-4000-100-FS	100	136	230	1.7	36	5.3	60	1.5	800	4.1