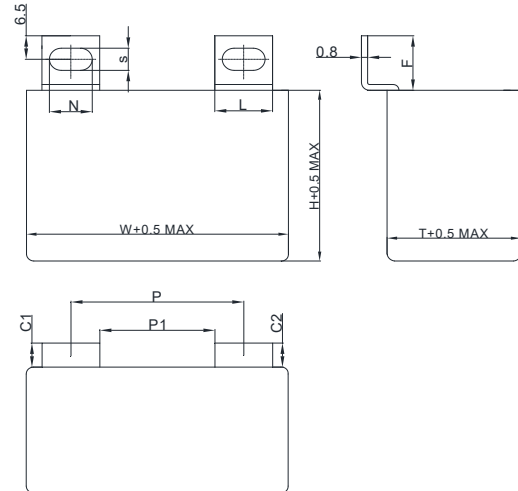
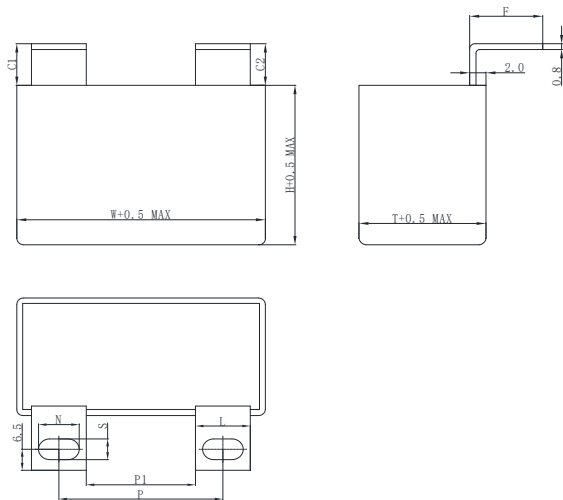




金屬化聚丙烯薄膜電容 (SNL) Sunbber METALLIZED POLYPROPYLENE FILM CAPACITOR (SNL) SUNBBER



產品結構 Product structure

- ◆ 電介子：金屬化聚丙烯薄膜
Dielectric: metallized polypropylene film
- ◆ 引出電極：鍍錫銅安裝片
Lead-out electrode: tin-plated copper mounting plate
- ◆ 封裝：阻燃塑料殼，樹脂填充
Packaging: Flame retardant plastic shell, resin filled

推薦應用 Recommended applications

- ◆ IGBT 突波吸收
IGBT burst absorption
- ◆ 嵌位
Inlay

電氣特性 Electrical characteristics

引用標準 Reference Standard	IEC61071/GBT17702-2021 AEC-Q200
工作溫度 Operating temperature	-40 ~ +105°C
容量範圍 Capacity Range	0.047 ~ 100μf
額定電壓 Rated voltage	700 ~ 3000VDC
容量誤差 Capacity error	±5% (J) ±10% (K)
損耗因素 Loss Factor	0.0006 @ 1KHz 20°C±5°C
預期壽命 Life expectancy	100000hrs @ Un, θhs=70°C

產品特點 Product characteristics

- ◆ 高電容密度
High capacitance density
- ◆ 高脈衝高電流
High Pulse and high current
- ◆ 優良的自愈性
Excellent self-healing



極間電壓 Inter-pole voltage	1.5Un (DC) (10s, 20°C±5°C)
極殼電壓 Polar shell voltage	Un ≤1500Vdc, 3000Vac (10s, 50Hz, 20°C±5°C) Un >1500Vdc, (1.5Un+1000) Vac (10s, 50Hz, 20°C±5°C)
絕緣電阻 Insulation Resistance	(IR × Cn) 30000s (20°C, 100Vdc, 1min)
最高使用海拔 Maximum altitude used	2000m

TYPE: SNL		SPECIFICATION			ELECTRICAL CHARACTERISTICS				
技術參數 Technical data									
Un (VDC)	CAP (uF)	Dimension (mm)			Ls (nH)	dv/dt (v/ μ s)	Ipeak (A)	100KHz	
		W	H	T				I rms (A) @70°C	ESR (m Ω)
Un 700VDC, Urms 380VAC, Us 1050V									
700	1.0	42.5	27.5	24.5	25	325	325	15	4.3
	1.2	42.5	27.5	24.5	25	325	390	16	3.1
	1.5	42.5	30	22	25	325	487	18	3.5
	2.0	42.5	35.5	33.5	25	325	650	22	3.2
	2.0	42.5	37	28	25	325	650	21.5	3.2
	2.2	42.5	35.5	33.5	25	325	715	22.5	2.4
	2.2	42.5	37	28	25	325	715	22	2.4
	2.5	42.5	35.5	33.5	25	325	812	23	2.5
	2.5	42.5	37	28	25	325	812	22.5	2.5
	3.0	42.5	45	33	25	325	975	26	2.4
	3.0	42.5	45	30	25	325	975	25.5	2.4
	3.3	42.5	45	33	25	325	1072	26.5	2.4
	3.3	42.5	45	30	25	325	1072	26	2.4
	3.5	42.5	45	33	25	325	1134	27	2.0
	3.5	42.5	45	30	25	325	1134	26.5	2.0
	4.0	57.5	45	30	35	220	880	27	2.3
	4.0	42.5	45	33	25	325	1300	32	1.8
	4.7	57.5	50	35	35	220	1034	31	2.1
	4.7	57.5	45	30	35	220	1034	30.5	2.1
	5.0	57.5	50	35	35	220	1100	31	2.5
	5.0	57.5	45	30	35	220	1100	30.5	2.5
	5.6	57.5	50	35	35	220	1232	32	2.0
	6.8	57.5	50	35	35	220	1496	32	2.0
	10.0	57.5	50	42.5	35	220	2200	33	1.8

**TYPE: SNL SPECIFICATION****ELECTRICAL CHARACTERISTICS**

技術參數 Technical data

Un (VDC)	CAP (uF)	Dimension (mm)			Ls (nH)	dv/dt (v/ μ s)	Ipeak (A)	100KHz	
		W	H	T				Irms (A) @70°C	ESR (mΩ)
Un 850VDC, Urms 450VAC, Us 1275V									
850	0.82	42.5	27.5	24.5	25	400	328	15.5	4.6
	1.0	42.5	27.5	24.5	25	400	400	17.5	4.0
	1.0	42.5	30	22	25	400	400	17	4.0
	1.5	42.5	35.5	33.5	25	400	600	23	2.2
	1.5	42.5	37	28	25	400	600	22.5	2.2
	2.0	42.5	35.5	33.5	25	400	800	23.5	2.2
	2.2	42.5	45	30	25	400	880	26.5	2.2
	2.5	42.5	45	33	25	400	1000	27	2.9
	2.5	42.5	45	30	25	400	1000	26.5	2.9
	3.0	57.5	45	30	35	280	840	28	3.4
	3.3	57.5	45	30	35	280	924	28.5	3.4
	4.0	57.5	50	35	35	280	1120	29.5	2.1
	4.7	57.5	50	35	35	280	1316	32	2.2
	6.8	57.5	50	42.5	35	280	1904	33	1.7
Un 1000VDC, Urms 480VAC, Us 1500V									
1000	0.68	42.5	27.5	24.5	25	500	340	15	5.3
	0.75	42.5	27.5	24.5	25	500	375	15	4.7
	0.75	42.5	30	22	25	500	375	15	4.7
	1.0	42.5	37	28	25	500	500	17	3.5
	1.2	42.5	35.5	33.5	25	500	600	22	3.2
	1.2	42.5	37	28	25	500	600	21.5	3.2
	1.5	42.5	35.5	33.5	25	500	750	23.5	2.5
	1.75	42.5	45	33	25	500	875	23.5	2.1
	1.75	42.5	45	30	25	500	875	23	2.1
	2.0	42.5	45	33	25	500	1000	26.5	2.3
	2.2	57.5	45	30	35	350	770	26.5	2.7
	2.5	57.5	45	30	35	350	875	28	2.9
	3.0	57.5	50	35	35	350	1050	31	3.4
	3.3	57.5	50	35	35	350	1155	31	2.5
	5.0	57.5	50	42	35	350	1750	33	1.6
Un 1200VDC, Urms 500VAC, Us 1800V									
1200	0.22	42.5	27.5	24.5	25	650	143	11.5	12.8

**TYPE: SNL SPECIFICATION****ELECTRICAL CHARACTERISTICS**

技術參數 Technical data

Un (VDC)	CAP (μ F)	Dimension (mm)			Ls (nH)	dv/dt (v/ μ s)	I _{peak} (A)	100KHz	
		W	H	T				I _{rms} (A) @70°C	ESR (m Ω)
Un 1200VDC, Urms 500VAC, Us 1800V									
1200	0.22	42.5	26	14.5	25	650	143	11	12.8
	0.33	42.5	27.5	24.5	25	650	210	12	8.9
	0.33	42.5	26	15	25	650	210	11.5	8.9
	0.39	42.5	27.5	24.5	25	650	254	13	7.3
	0.39	42.5	28	17	25	650	254	12.5	7.3
	0.47	42.5	27.5	24.5	25	650	306	14	7.0
	0.47	42.5	30	22	25	650	306	13.5	7.0
	0.56	42.5	30	22	25	650	364	14	5.3
	0.56	42.5	27.5	24.5	25	650	364	14.5	5.3
	0.68	42.5	35.5	33.5	25	650	442	19	4.6
	0.68	42.5	30	22	25	650	442	18.5	4.6
	0.82	42.5	35.5	33.5	25	650	533	20	3.9
	0.82	42.5	37	28	25	650	533	19.5	3.9
	1.0	42.5	35.5	33.5	25	650	650	20.5	3.4
	1.0	42.5	37	28	25	650	650	20	3.4
	1.2	42.5	45	33	25	650	780	23.5	3.1
	1.2	42.5	45	30	25	650	780	23	3.1
	1.5	42.5	45	33	25	650	975	25	4.1
	1.5	42.5	45	30	25	650	975	24.5	4.1
	2.0	57.5	45	30	35	455	910	27	3.6
2.2	57.5	50	35	35	455	1001	30	3.5	
2.2	57.5	45	30	35	455	1001	29.5	3.5	
2.5	57.5	50	35	35	455	1138	31	3.2	
3.0	57.5	50	35	35	455	1365	32	3.1	
4.5	57.5	56	42.5	35	455	2047	33	3.0	
Un 1500VDC, Urms 570VAC, Us 2250V									
1500	0.33	42.5	27.5	24.5	25	800	264	13.5	7.4
	0.39	42.5	30	22	25	800	312	13.5	7.2
	0.47	42.5	35.5	33.5	25	800	376	18	5.3
	0.47	42.5	37	28	25	800	376	17.5	5.3
	0.68	42.5	35.5	33.5	25	800	544	19.5	4.6
	0.68	42.5	37	28	25	800	544	19	4.6

**TYPE: SNL SPECIFICATION****ELECTRICAL CHARACTERISTICS**

技術參數 Technical data

Un (VDC)	CAP (μ F)	Dimension (mm)			Ls (nH)	dv/dt (v/ μ s)	I _{peak} (A)	100KHz	
		W	H	T				I _{rms} (A) @70°C	ESR (m Ω)
Un 1500VDC, Urms 570VAC, Us 2250V									
1500	0.75	42.5	35.5	33.5	25	800	600	20.5	4.5
	1.0	42.5	45	33	25	800	800	23	4.5
	1.0	42.5	45	30	25	800	800	22.5	4.5
	1.2	57.5	45	30	35	560	672	25	4.2
	1.5	57.5	50	35	35	560	840	28	4.1
	1.8	57.5	50	35	35	560	1008	29.5	4.0
	2.5	57.5	50	42.5	35	560	1400	31	4.0
Un 2000VDC, Urms 630VAC, Us 3000V									
2000	0.10	42.5	27.5	24.5	25	1000	100	8.0	25.7
	0.10	42.5	26	15	25	1000	100	7.5	25.7
	0.15	42.5	27.5	24.5	25	1000	150	10.5	14.7
	0.15	42.5	28	17	25	1000	150	10	14.7
	0.22	42.5	27.5	24.5	25	1000	220	12	10.5
	0.22	42.5	30	22	25	1000	220	11.5	10.5
	0.33	42.5	35.5	33.5	25	1000	330	16.5	9.5
	0.33	42.5	37	28	25	1000	300	16	9.5
	0.39	42.5	35.5	33.5	25	1000	390	17.5	6.7
	0.39	42.5	37	28	25	1000	390	17	6.7
	0.47	42.5	45	33	25	1000	470	20.5	5.2
	0.47	42.5	37	28	25	1000	470	20	5.2
	0.56	42.5	45	33	25	1000	560	21.5	4.3
	0.68	57.5	45	30	35	700	476	22.5	5.7
	0.82	57.5	45	30	35	700	574	24	4.5
	1.0	57.5	50	35	35	700	700	27	4.5
	1.2	57.5	50	35	35	700	840	29	4.2
	1.8	57.5	56	42.5	35	700	1260	31	4.0
Un 2500VDC, Urms 700VAC, Us 3750V									
2500	0.10	42.5	27.5	24.5	25	1350	135	9	18.7
	0.15	42.5	30	22	25	1350	202	10.5	13.5
	0.22	42.5	37	28	25	1350	297	14.5	10.2
	0.33	42.5	45	33	25	1350	445	18	7.8
	0.47	57.5	45	30	35	945	444	22	6.2

**TYPE: SNL SPECIFICATION****ELECTRICAL CHARACTERISTICS**

技術參數 Technical data

Un (VDC)	CAP (μ F)	Dimension (mm)			Ls (nH)	dv/dt (v/ μ s)	Ipeak (A)	100KHz	
		W	H	T				I _{rms} (A) @70°C	ESR (m Ω)
Un 2500VDC, Urms 700VAC, Us 3750V									
2500	0. 56	57. 5	45	30	35	945	530	22. 5	6. 2
	0. 68	57. 5	50	35	35	945	642	25	5. 5
	0. 75	57. 5	50	35	35	945	709	25	5. 1
	1. 0	57. 5	56	42. 5	35	945	945	28	4. 8
Un 3000VDC, Urms 750VAC, Us 4500V									
3000	0. 047	42. 5	27. 5	24. 5	25	1600	75	7. 4	31. 6
	0. 047	42. 5	26	15	25	1600	75	7. 0	31. 6
	0. 068	42. 5	27. 5	24. 5	25	1600	108	9. 0	22. 7
	0. 068	42. 5	28	17	25	1600	108	8. 5	22. 7
	0. 10	42. 5	35. 5	33. 5	25	1600	160	12	15
	0. 10	42. 5	30	22	25	1600	160	11. 5	15
	0. 15	42. 5	35. 5	33. 5	25	1600	240	14. 5	10. 8
	0. 15	42. 5	37	28	25	1600	240	14	10. 8
	0. 22	42. 5	45	33	25	1600	352	17. 6	6. 6
	0. 22	42. 5	45	30	25	1600	352	17	6. 6
	0. 33	57. 5	45	30	35	870	288	21	7. 5
	0. 47	57. 5	50	35	35	870	408	23	7. 5
	0. 56	57. 5	50	35	35	870	487	23	7. 4
	0. 82	57. 5	56	42. 5	35	870	714	26	7. 0