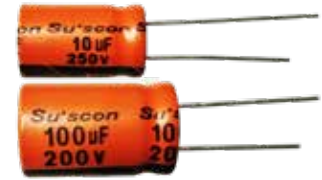


SA/SB series

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- Low leakage current product. SA:85°C 2000 hours,SB:105°C 1000hours .
- Suitable for prepositive amplifier of high-grade audio and oscillating return of TV set.
- RoHS Compliance.
- 低洩漏電流產品。SA:85°C 2000小時,SB:105°C 1000小時 .
- 適用於高級音響的前置放大器及電視機的振盪迴路。



SPECIFICATIONS

Items 項 目	Characteristics 特 性									
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)									
Operating Temperature Range 適用溫度範圍	SA : -40 ~ +85°C SB : -40 ~ +105°C									
Rated Voltage Range 額定電壓範圍	6.3 ~ 100VDC									
Leakage Current 洩漏電流	I≤0.002CV or 0.4 (μA),which is greater. (After 2 minutes application of DC rated voltage, at 20°C)									
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C									
	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	
	tan δ(Max)	0.24	0.20	0.16	0.15	0.12	0.10	0.09	0.08	
	When nominal capacitance over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.									
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.									
	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	
	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	
	Z(-40°C)/Z(20°C)	8	6	6	4	4	3	3	3	
Load Life 負荷壽命	SA	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours 85°C.								
	SB	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 1,000 hours 105°C.								
	Capacitance Change		Within ± 25% of Initial Value							
	tan δ		200% or less of Initial Specified Value							
	Leakage Current		Initial Specified Value or less							
Shelf Life 放置壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours 85°C and 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.									
	Capacitance Change		Within ± 25% of Initial Value							
	tan δ		200% or less of Initial Specified Value							
	Leakage Current		Initial Specified Value or less							
Standards 參照標準	IEC 60384-4 (JIS C5101-4)									

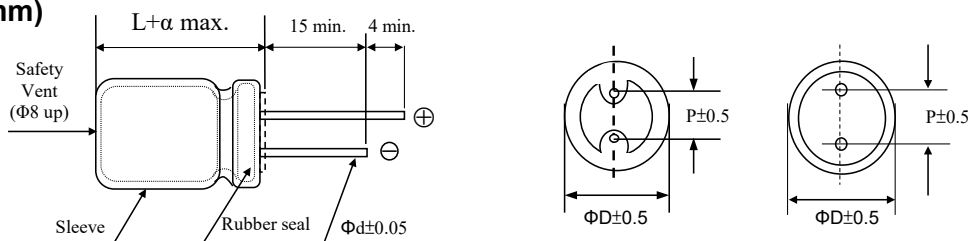
Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)			
	50	120	1K	10K
< 100	0.80	1.00	1.30	1.50
100 ~ 1000	0.80	1.00	1.15	1.20
> 1000	0.80	1.00	1.10	1.15

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DIMENSIONS(mm)



ΦD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

STANDARD RATINGS

DxL(mm), R.C : (mA rms) at 85°C / 105°C 120 Hz.

Cap (μF)	V	6.3		10		16		25	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
4.7								5x11	45
6.8								5x11	55
10						5x11	55	5x11	70
15						5x11	70	5x11	85
22						5x11	85	5x11	100
33						5x11	100	6.3x11	140
47				5x11	100	6.3x11	140	6.3x11	170
68				6.3x11	150	6.3x11	160	8x11.5	230
100				6.3x11	180	8x11.5	230	8x11.5	280
150				8x11.5	250	8x11.5	280	10x12.5	370
220				8x11.5	310	10x12.5	370	10x16	400
330				10x12.5	400	10x16	420	10x20	490
470	10x12.5	385		10x16	530	10x16	550	10x20	650
680	10x12.5	480		10x16	600	10x20	720	12.5x20	800
1000	10x16	640		10x20	780	12.5x20	900	12.5x25	1000
1500	10x20	900		12.5x25	1020	16x26	1150	16x31.5	1270
2200	12.5x20	1050		12.5x25	1200	16x26	1300	16x36	1440
3300	16x26	1300		16x31.5	1420	16x36	1550	18x40	1720
4700	16x31.5	1500		16x36	1650	18x35.5	1820		

Cap (μF)	V	35		50		63		100	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.47				5x11	5.0			5x11	10.1
0.68				5x11	7.3			5x11	14.5
1				5x11	10.7			5x11	19
1.5				5x11	16			5x11	23
2.2				5x11	23			5x11	28
3.3				5x11	40			5x11	45
4.7				5x11	45			5x11	50
6.8	5x11	45		5x11	55	5x11	59	6.3x11	65
10	5x11	55		5x11	70	6.3x11	75	8x11.5	90
15	5x11	70		5x11	95	6.3x11	100	8x11.5	110
22	6.3x11	85		6.3x11	110	8x11.5	115	10x12.5	136
33	6.3x11	110		8x11.5	165	8x11.5	170	10x16	180
47	8x11.5	140		8x11.5	190	10x12.5	200	10x20	220
68	8x11.5	190		10x12.5	250	10x16	270	10x20	290
100	10x12.5	230		10x16	320	10x20	330	12.5x20	370
150	10x16	300		10x20	420	12.5x20	450	12.5x25	470
220	10x20	400		12.5x20	490	12.5x20	550	16x26	580
330	12.5x20	440		12.5x20	600	12.5x25	710	16x31.5	730
470	12.5x25	550		12.5x25	750	16x26	850	18x35.5	910
680	12.5x25	680		16x26	910	16x31.5	1050		
1000	16x26	800		16x31.5	1140	18x35.5	1330		
1500	16x31.5	1110		18x40	1480				
2200	18x35.5	1390							

SA/SB