

SEB series

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- On the basis of SEA series ripple promotion product
- Suitable for LCD TV Power ,SMPS
- RoHS Compliance
- 在SEA系列基礎上紋波提升品
- 適用於液晶顯示電源及開關電源等



SPECIFICATIONS

Items 項目	Characteristics 特性				
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20℃)				
Operating Temperature Range 適用溫度範圍	- 40 ~ +105℃			- 25 ~ +105℃	
Rated Voltage Range 額定電壓範圍	160VDC~400VDC			450VDC~460VDC	
Leakage Current 洩漏電流	I≤0.03CV +20 (μA) (After 3 minutes application of DC rated voltage, at 20 ℃)				
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency:120Hz. Temperature: 20℃				
	Rated Voltage(V)	160~250	350	400	450~460
	tan δ(Max)	0.15	0.15	0.20	0.20
	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)	160~250	350	400~450	460
	Z(-25℃)/Z(20℃)	3	5	6	6
	Z(-40℃)/Z(20℃)	6	-	-	-
Load Life 負荷壽命	5000hours,with application of rated voltage at 105℃				
	Capacitance Change	within ±20% 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℃ after exposing them for 1,000hours 105℃ without voltage applied. Before the measurement. The Capacitance shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.				
	Capacitance Change	within ±20% of Initial Value			
	tan δ	200% or less of Initial Specified Value			
	Leakage Current	Initial Specified Value or less			
Standards 參照標準	JIS C 5101-4-1 (IEC 60384)				

Frequency Coefficient of Permissible Ripple Current

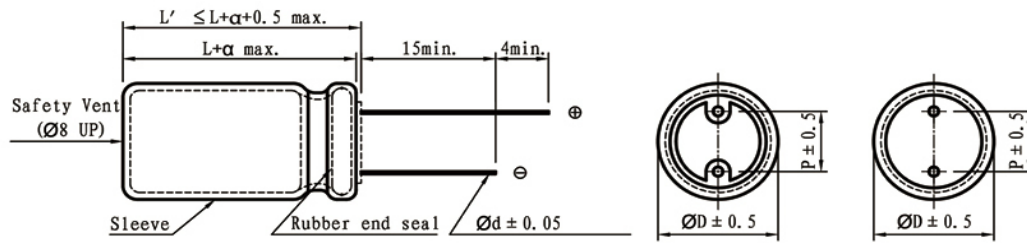
Capacitance (μF)	Frequency (Hz)				
	120	1K	10K	50K	100K
10~82	1.00	1.75	2.25	2.23	2.50
100~150	1.00	1.67	2.05	2.15	2.25

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. when long life performance is required in actual use. The rms ripple current has to be reduced.

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DIMENSIONS(mm)



ϕD	10	13	16	18	20	22
P	5.0	5.0	7.5	7.5	10	10
ϕd	0.6	0.6	0.8	0.8	0.8	0.8

α	(L < 16) 1.0 (L $\geq$ 16) 2.0
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STANDARD RATINGS

D×L(mm) ; R.C.(mA rms) at 105°C 120Hz.

Cap (μF)	V	160		200		250		350	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
10		8x12	140	8x14	180	10x13	180	8x20	180
22		8x16	220	8x16 10x13	220 220	10x16	200	8x30	250
27		10x14	220	10x16	250	10x20	240	10x25	280
33		8x20	280	10x20	280	10x20	260	13x21	350
47		10x20	320	10x25	320	10x25	320	13x25	380
56		10x25	360	10x25	330	13x21	445	16x22	450
68		13x21	445	10x30	390	13x25	520	16x25	550
82		10x30	445	10x35	485	13x30	580	18x25	650
100		13x25	520	10x40	560	16x25	650	18x25	700

Cap (μF)	V	400		450		460	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
10		10x16	160	10x20	180	10x20	150
15		10x20	180	13x21	300	13x21	210
22		13x21	300	13x25	390	13x25	280
33		13x25	390	16x22	450	16x25	430
47		13x25	430	18x25	650	18x25	500
56		16x25	530	18x25	700	18x25	540
68		18x25	680	18x32	750	18x32	680
82		18x25	760	18x32	780	18x32	720
100		18x32	830	18x35	820	18x35	800
120		18x35	880	18x40	920	18x45	1000
150		18x40	950	20x45	1080	20x45	1050

※ 13mm may be replaced by 12.5mm upon customer's request.

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