

SEA series

- On the basis of SE series ripple promotion product.
- Suitable for LCD TV Power, SMPS.
- RoHS Compliance.
- SE系列紋波提升品。
- 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°C)				
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C		-25 ~ +105°C		
Rated Voltage Range 額定電壓範圍	400VDC		450 ~ 500VDC		
Leakage Current 洩漏電流	$I \leq 0.03CV + 20 (\mu A)$ (After 3 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)	160~400	450	460	500
	tan δ(Max)	0.15	0.20	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)	400	450	460	500
	Z(-25°C)/Z(20°C)	3	3	6	6
	Z(-40°C)/Z(20°C)	6	-	-	-
Load Life 負荷壽命	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 5,000 hours at 105°C.				
	Capacitance Change	Within ± 20% of Initial Value			
	tan δ	200% or less of Initial Specified Value			
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 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 ± 20% of Initial Value			
	tan δ	200% or less of Initial Specified Value			
Standards 參照標準	Leakage Current				
	Initial Specified Value or less				
Standards 參照標準					
JIS C 5101-4-1 (IEC 60384)					

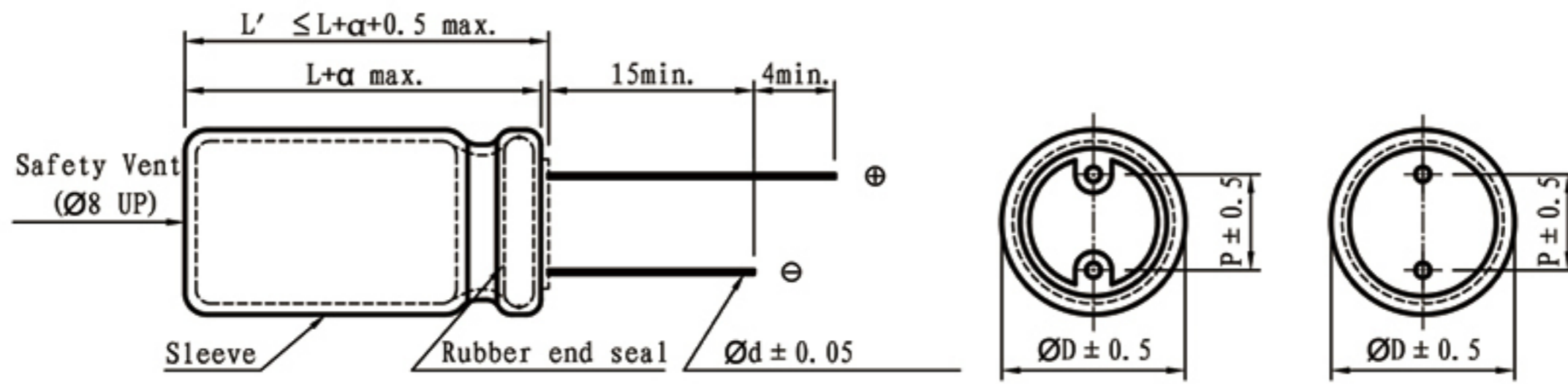
Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)				
	120	1K	10K	50K	100K
10 ~ 82	1.00	1.75	2.25	2.35	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

STANDARD RATINGS

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

Cap (μF)	V	400				450				460				500			
		Item	D x L	R.C.		D x L	R.C.		D x L	R.C.		D x L	R.C.				
				120Hz	100KHz		120Hz	100KHz		120Hz	100KHz		120Hz	100KHz			
10		10x16	150	375	10x20	105	263	10x20	80	200	13x21	75	187.5				
15		10x20	170	425	13x21	130	325	13x21	110	275	13x21	90	225				
22		13x21	250	625	13x25	210	525	13x25	180	450	13x25	170	425				
33		13x25	350	875	16x22	270	675	16x25	330	825	16x25	260	650				
47		13x25	480	1200	18x26	450	1125	18x26	400	1000	18x32	350	875				
56		16x25	500	1250	18x26	550	1375	18x26	500	1250	18x35	520	1300				
68		18x26	650	1625	18x32	600	1500	18x32	600	1500	18x35	550	1375				
82		18x26	750	1875	18x32	650	1625	18x32	650	1625	18x40	650	1625				
100		18x32	800	1800	18x35	750	1688	18x35	750	1688	18x45	700	1575				
120		18x35	850	1913	18x40	800	1800	18x40	800	1800	22x45	800	1800				
150		18x40	900	2025	20x45	900	2025	20x45	900	2025							

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

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