

SEA series

- On the basis of SE series 105°C 5000hrs high ripple promotion product.
- Suitable for LCD TV Power, SMPS.
- RoHS Compliance
- SE 105°C 5000hrs系列紋波提升品。
- 適用於液晶顯示電源及開關電源等。



SPECIFICATIONS

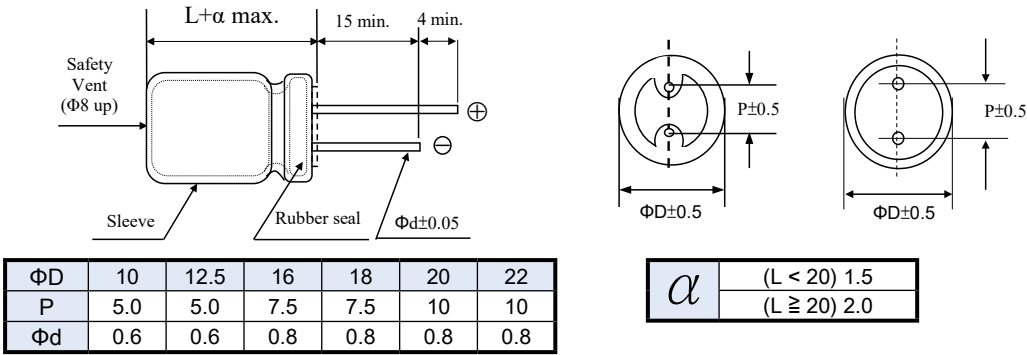
Items 項 目	Characteristics 特 性				
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)				
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C			-25 ~ +105°C	
Rated Voltage Range 額定電壓範圍	400VDC			450 ~ 500VDC	
Leakage Current 洩漏電流	I ≤ 0.03CV +20 (μA) (After 3 minutes application of DC rated voltage, at 20 °C)				
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			
	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 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			
	Leakage Current	Initial Specified Value or less			
Standards 參照標準	IEC 60384-4 (JIS C 5101-4)				

Frequency Coefficient of Permissible Ripple Current

Capacitance (µF)	Frequency (Hz)				
	120	10K	30K	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

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DIMENSIONS(mm)



STANDARD RATINGS

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

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	12.5x20	75	187.5
15		10x20	170	425	12.5x20	130	325	12.5x20	110	275	12.5x20	90	225
22		12.5x20	250	625	12.5x25	210	525	12.5x25	180	450	12.5x25	170	425
33		12.5x25	350	875	16x22	270	675	16x25	330	825	16x25	260	650
47		12.5x25	480	1200	18x26	450	1125	18x26	400	1000	18x31.5	350	875
56		16x25	500	1250	18x26	550	1375	18x26	500	1250	18x35.5	520	1300
68		18x26	650	1625	18x31.5	600	1500	18x31.5	600	1500	18x35.5	550	1375
82		18x26	750	1875	18x31.5	650	1625	18x31.5	650	1625	18x40	650	1625
100		18x31.5	800	1800	18x35.5	750	1688	18x35.5	750	1688	18x45	700	1575
120		18x35.5	850	1913	18x40	800	1800	18x40	800	1800	22x45	800	1800
150		18x40	900	2025	20x45	900	2025	20x45	900	2025			

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