

LF series

- 85°C 8000 hours ,Long life of SL series
- Suitable for LCD TV Power, SMPS.
- RoHS Compliance
- 85度8000小時，SL系列壽命提升品。
- 適用於液晶顯示電源及開關電源等。



SPECIFICATIONS

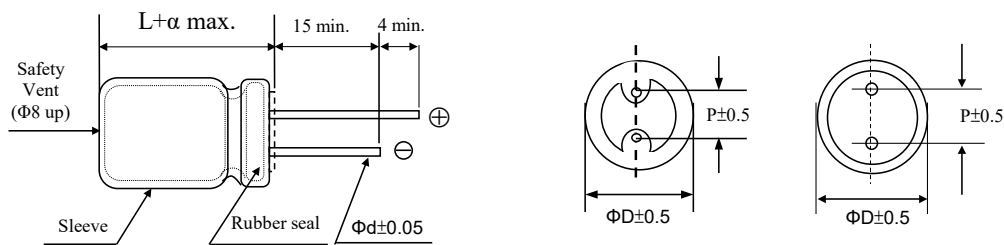
Items 項 目	Characteristics 特 性				
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20℃)				
Operating Temperature Range 適用溫度範圍	-40 ~ +85℃			-25 ~ +85℃	
Rated Voltage Range 額定電壓範圍	400 ~ 420VDC			450 ~ 500VDC	
Leakage Current 洩漏電流	I ≤ 0.03CV +20 (μA) (After 3 minutes application of DC rated voltage, at 20 °C)				
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20℃				
	Rated Voltage(V)	400~420	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)	400~420	450	460	500
	Z(-25℃)/Z(20℃)	3	3	6	6
	Z(-40℃)/Z(20℃)	6	-	-	-
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 8,000 hours at 85℃.				
	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 1,000 hours 85℃ 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 ~ 150	1.00	1.50	1.60	1.75	2.00

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DIMENSIONS(mm)



ΦD	10	12.5	16	18	20
P	5.0	5.0	7.5	7.5	10
Φd	0.6	0.6	0.8	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

STANDARD RATINGS

D×L(mm) ; R.C.(mA rms) at 85°C 120Hz.

Cap (μF)	V	400				420				450			
		Item	D x L	R.C.		Item	D x L	R.C.		Item	D x L	R.C.	
				120Hz	100KHz			120Hz	100KHz			120Hz	100KHz
10			10x16	150	300		10x20	180	360		10x20	150	300
22			12.5x20	300	600		12.5x25	330	660		12.5x25	330	660
47			12.5x25	350	700		16x20	400	800		16x25	380	760
56			16x25	480	960		16x25	500	1000		16x31.5	450	900
68			16x31.5	563	1126		16x31.5	550	1100		16x36	530	1060
82			16x35.5	650	1300		16x36	630	1260		16x40	600	1200
100			16x40	780	1560		16x40	750	1500		16x45	720	1440
120			16x45	889	1778		16x45	840	1680		16x50	840	1680
150			16x50	980	1960		16x50	920	1840				

Cap (μF)	V	460				500			
		Item	D x L	R.C.		Item	D x L	R.C.	
				120Hz	100KHz			120Hz	100KHz
10			12.5x16	120	240		12.5x16	115	230
22			16x25	250	500		16x25	230	460
47			16x36	450	900		16x36	435	870
56			16x40	500	1000		16x40	491	982
68			16x45	580	1160		16x45	563	1126
82			16x50	650	1300		16x50	630	1260
100			18x45	730	1460		18x45	700	1400
120			20x45	800	1600				