

LS series

sales016@heyuecap.com

- Load life:85°C 5000 hours Screw terminal type.
- Suitable for use in industrial equipment industrial power,solar pv inverter, wind power, Marine, heavy trucks, and other fields
- 85°C 5000小時 螺栓型端子。
- 適用於工業設備工控電源，太陽能光伏逆變器，風力發電，船舶，重型卡車等領域。



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	- 25 ~ +85°C				
Rated Voltage Range 額定電壓範圍	350 ~ 500VDC				
Rated Capacitance Range 容量範圍	820~22,000uF				
Leakage Current 洩漏電流	I ≤0.02CV (μA) or 5mA,whichever is smaller. (After 5 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)	350	400	450	500
	tan δ(MAX)	0.20	0.20	0.20	0.25
Temperature Stability 溫度特性	Measurement Frequency: 120Hz.				
	Capacitance Change C(-25°C)/Z(20°C) ≥ 0.6				
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 85°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 500 hours 85°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)				

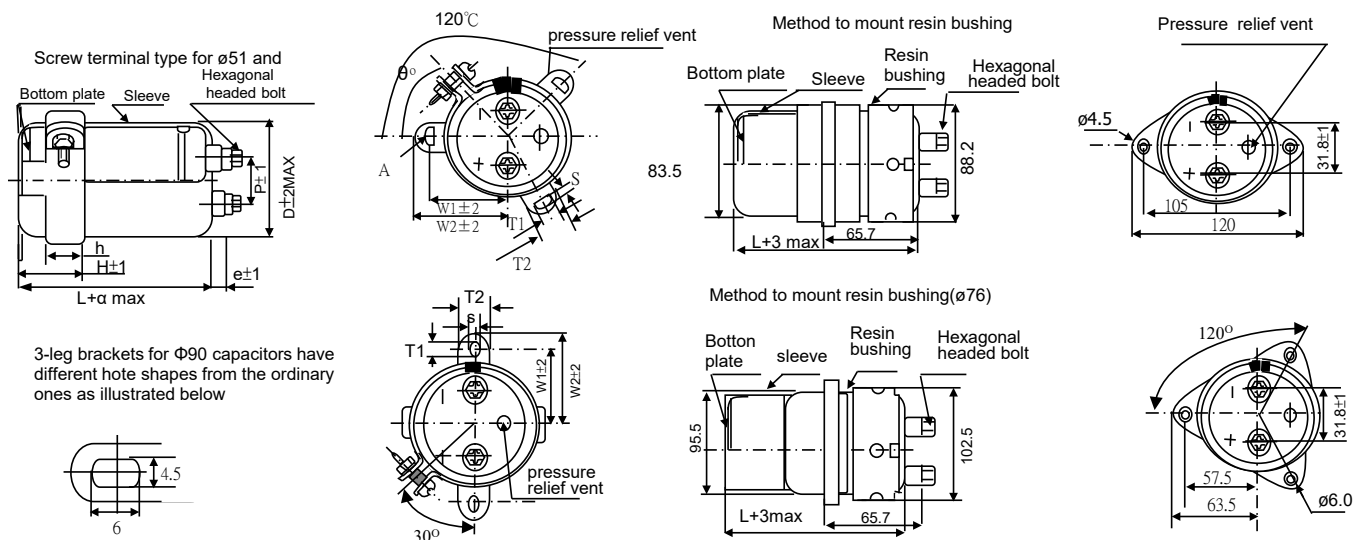
Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Frequency (Hz)				
	50	120	300	1K	$\geq 10K$
350 ~ 500	0.80	1.00	1.20	1.30	1.40

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DIMENSIONS(mm)



TERMINAL PITCH(W) & LENGTH (e) TABLE

ΦD	P	e	α
51	22	6	3
64	28.6	6	3
76	31.8	6	3
90	31.8	6	3
100	41.5	10	4

DIMENSIONS OF MOUNTING BRACKET

unit:mm

Cap (μF)	Leg shape	3-Legs					2-Legs			
	ΦD	Φ51	Φ64	Φ76	Φ90	Φ100	Φ51	Φ64	Φ76	Φ90
W1		31.8	38.1	44.5	50.8	57.5	34	40.5	46.5	54
W2		38.1	42.6	49.2	55.6	63.5	40	46.5	53	60
T1		7	7	7	7	8	7	7	7	7
T2		14	14	14	14	15	14	14	14	14
S		5	5	5	5	6	5	5	5	5
θ°		60	60	60	60	60	45	45	45	45
H		30	30	30	30	51.2	30	30	30	30
h		24	24	24	24	50	24	24	24	24

STANDARD RATINGS

DxL(mm), R.C : (A rms) at 85°C 120 Hz

Cap (μF)	V	350		400		450		500	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
820						51x60	4.00		
1000				51x60	4.40	51x75	4.80		
1200		51x60	4.90			51x85	5.60		
						51x96	5.70		
1500				51x75	5.90	51x96	6.30	64x115	8.6
1800		51x75	6.50	51x85	6.80	51x115	7.60	64x130	10.0
				51x96	7.00				
2200		51x85	7.50	51x105	8.00	51x130	8.80	64x155	11.7
		51x96	7.70						

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STANDARD RATINGS

DxL(mm), R.C : (A rms) at 85°C 120 Hz.

Cap (μ F)	V	350		400		450		500	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
2700		51x115	9.30	51x130	9.80	64x115	10.1	76x120	15.0
3300		51x130	10.8	64x115	11.1	64x130	11.7	76x145	17.5
3900		64x115	12.1	64x130	12.7	64x155	13.8	76x155	20.2
						76x115	13.4		
4700		64x130	14.0	64x155	15.2	64x190	16.7	90x135	21.8
				76x115	14.7	76x130	15.5		
5600		64x155	16.6	64x190	18.2	76x155	18.3	90x160	25.3
		76x115	16.1	76x130	16.9				
6800		64x190	20.0	76x155	20.2	76x170	20.7	90x175	29.0
		76x130	18.6						
8200		76x155	22.2	76x170	22.8	90x155	24.1		
10000		76x170	25.2	90x155	26.6	90x170	27.8		
12000		90x155	29.1	90x170	30.0	100x190	29.3		
15000		90x190	35.7	100x190	33.7	100x250	37.0		
18000		100x190	36.9	100x220	37.4				
22000		100x250	46.1						