

LV series

sales016@heyuecap.com

- Load life:85°C 5000 hours high voltage Screw terminal type
- Suitable for use in industrial equipment industrial power,solar pv inverter, wind power, Marine, heavy trucks, and other fields
- RoHS Compliance
- 85°C 5000小時 耐高壓螺栓型端子。
- 適用於在工業設備工控電源，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	500 ~ 650VDC				
Rated Capacitance Range 容量範圍	220~15,000uF				
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)	500	550	600	650
	tan δ(MAX)	0.25	0.25	0.25	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

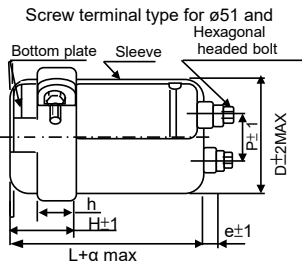
Rated Voltage (V)	Frequency (Hz)				
	50	120	360	1K	≥3K
500 ~ 650	0.80	1.00	1.20	1.30	1.40

LV

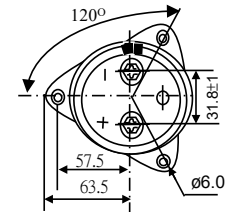
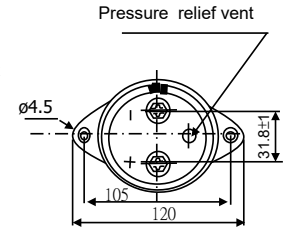
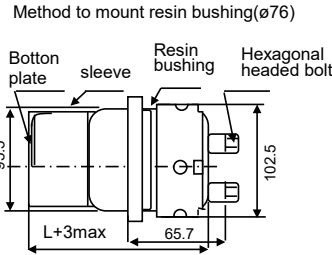
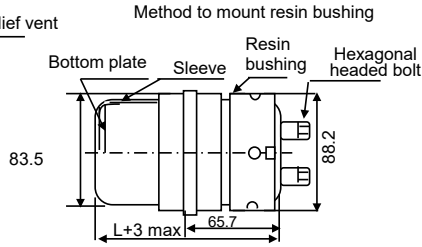
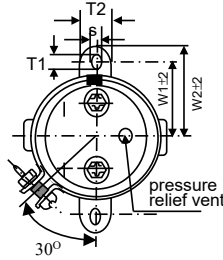
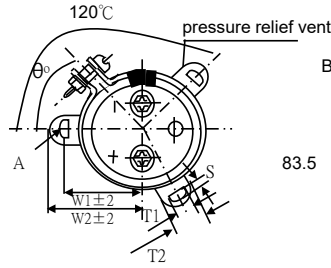
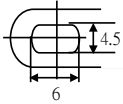
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DIMENSIONS(mm)



3-leg brackets for Φ90 capacitors have different hole shapes from the ordinary ones as illustrated below



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 ΦD	3-Legs					2-Legs			
		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

D×L(mm) ; R.C.(A rms) at 85°C 120Hz

Cap (μF)	V Item	500		550		600		650	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
1000				51x95	5.40			64x100	6.30
1200		51x95	5.90	51x110	6.30	64x95	6.70	64x110	7.20
1500		51x115	7.20	51x130	7.60	64x110	8.00	64x130	8.60
1800		51x130	8.30	64x105	8.60	64x125	9.30	64x150	10.10
2200						76x95	9.10		
		51x150	9.80	64x120	10.10	64x145	11.00	64x170	11.70
2700						76x110	10.80		
		64x120	11.20	64x150	12.40	64x170	13.10	76x150	13.60
3300						76x125	12.60		
		64x140	13.30	64x170	14.50	76x145	14.90	76x170	15.80
3900						76x130	14.20		
		64x170	15.70	76x140	15.90	76x170	17.30	90x155	15.30
4700		76x130	15.40			90x130	14.20		
		76x150	18.10	76x170	19.10	76x190	20.00	90x190	18.40
5600						90x150	16.60		
		76x170	20.80	90x150	18.20	90x170	19.10		
6800		90x130	17.10						
		90x150	20.00	90x170	21.10				
8200		90x190	24.40	100x170	24.80				
10000		90x210	28.20	100x200	29.40				
12000		100x210	32.90						
15000		100x250	39.80						