

HT series

sales016@heyuecap.com

- Load life:105°C 8000 hours screw terminal type.
- Suitable for use in industrial equipment industrial power,solar pv inverter, wind power, Marine, heavy trucks, and other fields
- RoHS Compliance
- 105°C 8000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℃)			
Operating Temperature Range 適用溫度範圍	- 40 ~ +105℃			
Rated Voltage Range 額定電壓範圍	400~ 450VDC			
Rated Capacitance Range 容量範圍	220~15,000uF(For higher capacity, please consult the designer)			
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℃			
	Rated Voltage(V)	400	420	450
	tan δ(MAX)	0.15	0.15	0.15
Temperature Stability 溫度特性	Measurement Frequency: 120Hz.			
	Capacitance Change C(-25℃)/C(+20℃)≥0.7			
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	300% 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 1000 hours 105℃ 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	300% 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

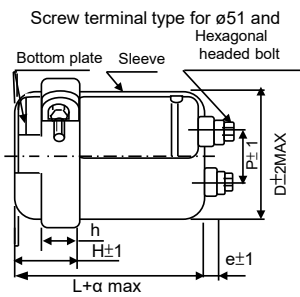
Rated Voltage (V)	Frequency (Hz)				
	60	120	300	1K	$\geq 10K$
400 ~ 450	0.82	1.00	1.20	1.35	1.40

HT

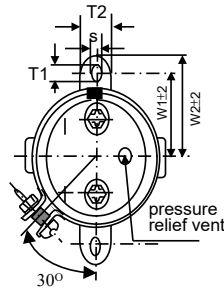
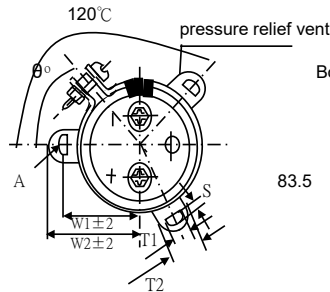
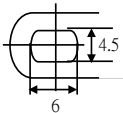
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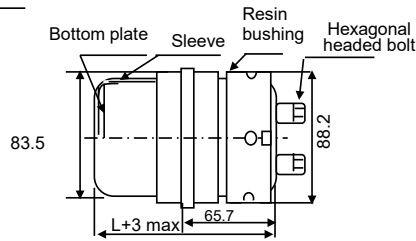
DIMENSIONS(mm)



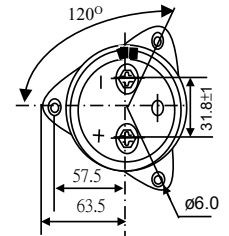
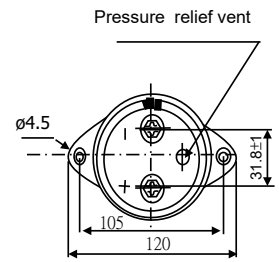
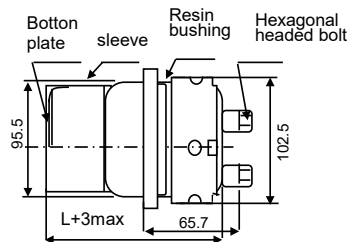
3-leg brackets for ø90 capacitors have different hole shapes from the ordinary ones as illustrated below



Method to mount resin bushing



Method to mount resin bushing(ø76)



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 105°C 120 Hz

Cap (μF)	V	400		420		450	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
470						51x80	3.00
680		51x80	3.60			51x105	4.10
680		51x105	3.90	51x80	3.70	51x105	4.80
1000		51x80	4.30	51x80	4.40	64x105	5.50
1000		51x105	4.80	51x105	4.90		
1500		51x105	5.90	51x105	6.00	64x105	6.80
2200		64x105	8.10	64x105	8.20	76x140	9.70
2200		76x105	8.50	76x105	8.60		
3300		76x140	12.1	76x140	12.3	76x140	12.5
4700		76x140	13.8	76x140	14.1	76x145	14.3
5600		76x145	15.1	76x145	15.3	76x145	15.5
6800		76x145	16.4	76x145	16.4	76x210	18.5
8200		76x210	19.1	76x210	19.5	76x210	20.1
10000		90x220	23.5	90x220	23.8	90x220	24.3