

HU series

- 105°C 10000 hours,miniaturized and long life.
- RoHS Compliance
- 105°C 10000小時小型化長壽命品。



SPECIFICATIONS

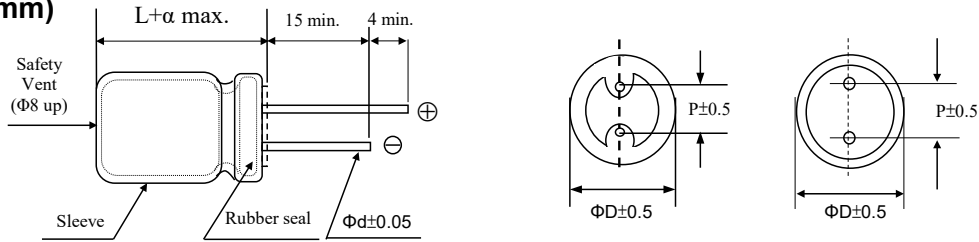
Items 項目	Characteristics 特性							
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz, 20°C)							
Operating Temperature Range 適用溫度範圍	- 25 ~ +105°C							
Rated Voltage Range 額定電壓範圍	10 ~ 100VDC							
Leakage Current 洩漏電流	I ≤ 0.01CV or 3(μA) which is greater.(After 2 minutes application of DC rated voltage, at 20°C)							
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency:120Hz. Temperature: 20°C							
	Rated Voltage(V)	10	16	26	35	50	63	100
	tanδ(MAX)	0.45	0.35	0.3	0.22	0.19	0.17	0.15
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency:120Hz							
	Rated Voltage(V)	10	16	25	35	50	63	100
	Z(-25°C) / Z(20°C)	8	6	4	4	3	3	3
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 10,000 hours at 105°C.							
	Capacitance Change				within ±25% 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°C after exposing them for 1,000hours 105°C without voltage applied. Before the measurement. The Capacitance shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.							
	Capacitance Change				within ±25% 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)	Capacitance (μF)	Frequency (Hz)			
		120	1K	10K	100K
10~100	0.47~10	0.42	0.60	0.80	1.00
	22~33	0.55	0.75	0.90	1.00
	47~330	0.70	0.85	0.95	1.00

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DIMENSIONS(mm)



ΦD	5	6.3	8
P	2.0	2.5	3.5
Φd	0.5	0.5	0.5

α	(L < 20) 1.5
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STANDARD RATINGS

DxL(mm), R.C.(mA rms) at 105°C 100kHz.

Cap (μF)	V	10		16		25		35		50		63		100	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
0.47										5x11	12			5x11	20
1										5x11	25			5x11	40
2.2										5x11	35			5x11	50
3.3										5x11	70			5x11	60
4.7										5x11	80			5x11	70
10										5x11	80	5x11	80	6.3x11	150
22										5x11	110	6.3x11	170	8x11.5	230
33						5x11	130	5x11	130	6.3x11	190	6.3x11	170		
47				5x11	130	5x11	157	6.3x11	210	6.3x11	190	8x11.5	240		
100		5x11	130	6.3x11	210	6.3x11	210	8x11.5	330	8x11.5	270				
220		6.3x11	210	8x11.5	330										
330		8x11.5	330												

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