

HW series

- 105°C 15000~20000 hours ,On the basis of HH series life promotion product
- Suitable for LED Lighting Power supply Circuit
- RoHS Compliance
- 105°C 15000~20000小時壽命，在HH 系列基礎上壽命提升品
- 適用於LED照明用電源電路



SPECIFICATIONS

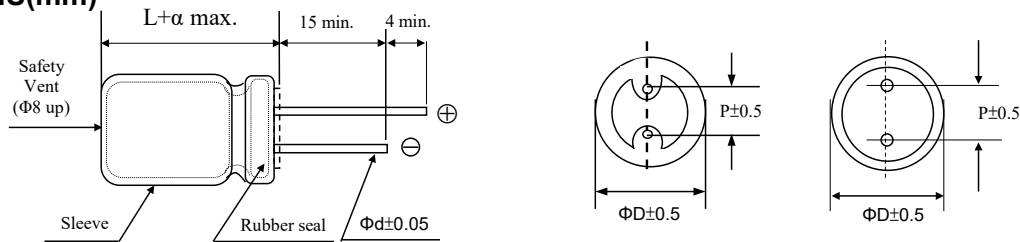
Items 項目	Characteristics 特性					
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)					
Operating Temperature Range 適用溫度範圍	- 40 ~ +105°C					
Rated Voltage Range 額定電壓範圍	160 ~ 450VDC					
Leakage Current 洩漏電流	I≤0.04CV +100 (μA) (After 1 minutes application of DC rated voltage, at 20 °C)					
Leakage Current 散逸因素(tan δ)	Measurement Frequency:120Hz. Temperature: 20°C					
	Rated Voltage(V)	160 ~450				
	tanδ (Max)	0.24				
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency:120Hz					
	Rated Voltage(V)	160	200	250	400	450
	Z(-25°C) / Z(20°C)	3	3	3	6	6
	Z(-40°C) / Z(20°C)	8	8	8	10	-
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C aftersubjected to DC voltage with the rated ripple current is applied for 20,000 hours(ΦD=10:15,000 hours) at 105°C.					
	Capacitance Change	within ±30% 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 ±30% of Initial Value				
	tan δ	300% or less of Initial Specified Value				
	Leakage Current	500% or less of Initial Specified Value				
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
160~450	5.6~68	1.00	1.75	2.25	2.50

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DIMENSIONS(mm)



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

α	(L < 20) 1.5
	(L ≥ 20) 2.0

STANDARD RATINGS

DxL(mm), R.C.(mA rms) at 105°C 120 Hz.

Cap (μF)	V (Code)	160			200			250		
	Item	D x L	R.C.		D x L	R.C.		D x L	R.C.	
			120HZ	100kHz		120HZ	100kHz		120HZ	100kHz
10								10x12.5	90	225
12								10x12.5	97	242
15								10x16	120	300
18					10x12.5	113	282	10x16	129	318
22		10x12.5	121	302	10x16	135	337	10x20	150	375
27					10x20	149	372	12.5x20	185	462
33		10x16	158	395	12.5x20	210	525	12.5x20	198	495

Cap (μF)	V (Code)	400			450		
	Item	D x L	R.C.		D x L	R.C.	
			120HZ	100kHz		120HZ	100kHz
3.9		10x12.5	48	120			
4.7		10x12.5	57	142			
5.6		10x12.5	64	160	10x16	54	135
6.8		10x16	80	200	10x16	62	155
8.2		10x16	88	220	10x16	88	220
10		10x20	115	287	10x20	92	230
15		12.5x20	150	375	12.5x20	140	350
22		12.5x20	209	522	12.5x25	240	600
33	16x22		297	742	16x25	392	980
					18x20	312	780
47		16x25	425	1062	18x25	480	1200
68		18x25	520	1300	18x31.5	520	1300
82		18x31.5	560	1400	18x35.5	574	1435
100		18x35.5	620	1550	18x40	650	1625

HW