HC series

NEW

- 105°C high-temperature resistance, high reliability and long life.
- Long life: 8000 hours.
- Suitable for conserves energy the lamp and the electronic rectifier.
- RoHS Compliance.
- 105°C耐高溫、高信賴度、長壽命。
- 8000小時長壽命品。
- 適用於節能燈與電子整流器。

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			-25 ~ +105°C			
Rated Voltage Range 工作電壓範圍	160 ~ 400V			450V			
Leakage Current 洩漏電流	I≦0.02CV +10μA, Which is greater (After 2 minutes application of working voltage)			I≦0.03CV +10μA, Which is greater (After 2 minutes application of working voltage)			
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C						
	Rated Voltage (V)	160	200	250	350	400	450
	tan δ (Max)	0.08	0.08	0.08	0.08	0.08	0.12
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	350	400	450
	Z (-25°C) / Z (20°C)	3	3	3	5	5	6
	Z (-40°C) / Z (20°C)	6	6	6	6	6	-
Load Life 負荷壽命	8000hours, with application of working voltage at 105°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	1,000hours, no voltage applied, at 105°C。 After Test: U_R to be applied for 30 minutes, 24 to 48hours before measurement.						
	Capacitance Change	Within ±20% of Initial Value					
	tan δ	200% or less of Initial Specified Value					
	Leakage Current	500% or less of Initial Specified Value					
Standards 參照標準	JIS C 5141 and JIS C 5102						

PERMISSIBLE RIPPLE CURRENT

Frequency Coefficient

WV (VDC) \ Frequency (Hz)	120	1K	10K~30K	30K~100K
160 ~ 250	0.55	0.85	0.90	1.00
350 ~ 450	0.50	0.80	0.90	1.00

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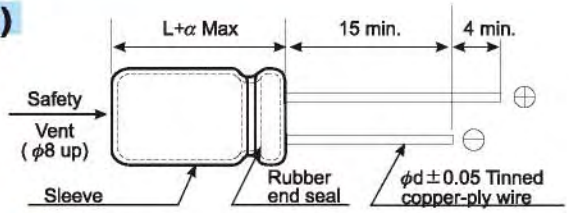
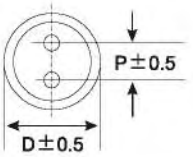
DIMENSIONS (mm)





φD	8	10	13	16	18
P	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.6	0.6	0.8	0.8

α	(L<16) 1.0 (L≧16) 2.0

STANDARD RATINGS

DxL (mm); R.C.: (mA rms) at 105°C, 100KHz.

Cap (μF) \ WV(V) (Code)	160 (2C)		200 (2D)		250 (2E)	
Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
2.2	8x12	70	8x12	65	8x12	72
3.3	8x12	80	8x12	85	10x13	90
4.7	8x12	85	8x16	90	10x13	95
5.6	8x16	95	8x16	98	10x16	100
6.8	8x16	100	10x13	105	10x16	108
8.2	10x16	108	10x16	200	10x16	225
10	10x16	225	10x16	240	10x20	255
15	10x16	350	10x20	380	13x21	430
22	10x20	450	13x21	480	13x21	500
33	13x21	450	13x21	500	13x25	580
47	13x25	595	13x25	600	16x26	650
68	16x26	695	16x26	650	16x32	830
100	16x26	850	16x26	960	18x32	1080
150	18x32	1020	18x35	1150	18x40	1300
220	18x35	1160	18x40	1300		

Cap (μF) \ WV(V) (Code)	350 (2V)		400 (2G)		450 (2W)	
Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
1	8x12	60	8x16	65	8x16	70
1.5	10x13	65	10x13	76	10x16	79
2.2	10x16	80	10x16	85	10x16	86
3.3	10x16	90	10x16	95	10x16	100
4.7	10x20	110	10x20	115	10x20	120
5.6	13x21	145	13x21	150	13x21	160
6.8	13x21	160	13x21	170	13x21	190
8.2	13x21	220	13x21	235	13x21	255
10	13x21	240	13x21	255	13x21	290
15	13x25	300	13x25	330	13x25	380
22	16x26	400	16x26	480	16x32	510
33	16x32	500	16x32	580	16x36	630
47	16x36	595	18x26	700	18x32	790
68	18x32	765	18x32	840	18x35	920
82	18x32	860	18x35	960	18x40	1020
100	18x35	980	18x40	1140		

※ 13mm may be replaced by 12.5mm upon customer's request.