

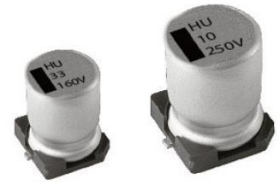
## HIGH VOLTAGE, LONG LIFE

### 高壓長壽命品

Operating with wide temperature range -40~+105°C  
適用於 -40~+105°C 的寬溫範圍

Load life of 5000 hours  
負荷壽命5000 小時

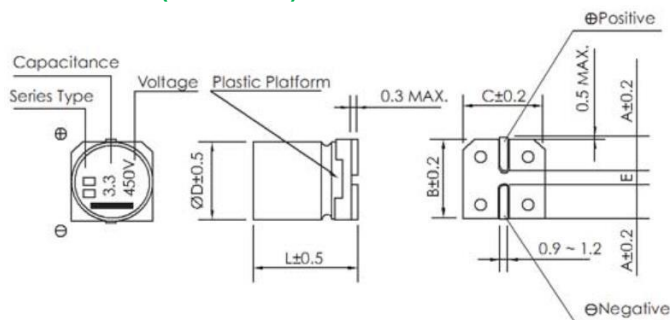
Comply with the RoHS directive  
符合RoHS 指令



## SPECIFICATIONS 特性表

Items 項目	Characteristics 主要特性								
<b>Operation Temperature Range</b> 使用溫度範圍	-40 ~ +105°C								
<b>Voltage Range</b> 額定工作電壓範圍	160 ~ 450V								
<b>Capacitance Range</b> 靜電容量範圍	1 ~ 47μF								
<b>Capacitance Tolerance</b> 靜電容量允許偏差	±20% at 120Hz, 20°C								
<b>Leakage Current</b> 漏電流	Leakage current ≤ 0.04CV + 100μA, whichever is greater (after 2 minutes application of rated voltage) 漏電流 ≤ 0.04CV + 100μA, 取較大值 (施加額定工作電壓2 分鐘後)								
<b>Dissipation Factor (tan δ)</b> 損耗角正切	Measurement frequency 測試頻率: 120Hz, Temperature 溫度: 20°C								
	<table border="1"> <tr> <td>Rated Voltage (V) 額定工作電壓</td> <td>160 ~ 250</td> <td>400, 500</td> </tr> <tr> <td>tan δ (max.) 最大損耗角正切</td> <td>0.15</td> <td>0.20</td> </tr> </table>	Rated Voltage (V) 額定工作電壓	160 ~ 250	400, 500	tan δ (max.) 最大損耗角正切	0.15	0.20		
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<b>Stability at Low Temperature</b> 低溫特性	Measurement frequency 測試頻率: 120Hz								
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		10							
<b>Load Life</b> 高溫負荷特性	After 5000 hours application of the rated voltage at 105°C, they meet the characteristics listed below. 在 105°C 環境中施加額定工作電壓5000 小時後, 電容器的特性符合下表的要求。								
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<b>Shelf Life</b> 高溫貯存特性	After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above. 在 105°C 環境中無負荷放置1000 小時後, 電容器的特性符合高溫負荷特性中所列的規定值。								
<b>Resistance to Soldering Heat</b> 耐焊接熱特性	After reflow soldering and restored at room temperature, they meet the characteristics listed below. 經過回流焊並冷卻至室溫後, 電容器的特性符合下表的要求。								
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Leakage Current 漏電流	initial specified value or less 不大於規範值								
<b>Marking</b> 標識	Black print on the case top. 鋁殼頂部黑字印刷。								

## DRAWING (Unit: mm) 外形圖



## DIMENSIONS (Unit: mm) 尺寸表

D x L	6.3 x 10.5	8 x 10.5	10 x 10.5	10 x 13.5	12.5 x 13.5	12.5 x 16	16 x 16.5
A	2.6	3	3.3	3.3	4.9	4.9	5.8
B	6.6	8.4	10.4	10.4	13	13	17
C	6.6	8.4	10.4	10.4	13	13	17
E ± 0.2	1.9	3.1	4.7	4.7	4.7	4.7	6.4
L	7.7	10.5	10.5	13.5	13.5	16	16.5

**Note:** All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

注: 以上所提供的設計及特性參數僅供參考, 任何修改不作預先通知。如果在使用上有疑問, 請在採購前與我們聯繫, 以便提供技術上的協助。

## DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT 規格尺寸及最大允許紋波電流

uF	Code 代碼	160V		200		250		400		450	
		2C		2D		2E		2G		2W	
1	1R0							8*10.5	42		
2.2	2R2			8*10.5	55	8*10.5	34	8*12.5	40		
3.3	3R3			8*10.5	55	8*10.5	34	10*10.5	58	12.5*13.5	40
4.7	4R7	8*10.5	68	8*10.5	51	8*10.5	36	10*10.5	56	12.5*13.5	50
5.6	5R6	8*10.5	67	8*10.5	51	8*10.5	36	10*12.5	72	12.5*13.5	55
6.8	6R8	8*10.5	65	8*10.5	49	8*12.5	38	10*12.5	70	12.5*13.5	65
8.2	8R2	8*10.5	64	8*12.5	43	10*10.5	50	10*12.5	68	12.5*13.5	75
10	100	8*12.5	59	10*10.5	53	10*12.5	72	10*12.5	65	12.5*13.5	85
15	150	10*12.5	79	10*12.5	75						
22	220	10*12.5	72	12.5*13.5	80						
33	330	12.5*13.5	95	12.5*16	220					Case size	Ripple current
47	470	12.5*16	260							尺寸	紋波電流

Case size D\*L(mm), ripple current (mA rms) at 105°C, 120Hz 尺寸D\*L(mm), 紋波電流(mA rms)於 105°C, 120Hz

## FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT 紋波電流頻率補償系數

Frequency 頻率	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient 系數	0.80	1.00	1.25	1.40	1.60

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