

5000 HOURS LONG LIFE ASSURANCE

5000 小時長壽命品

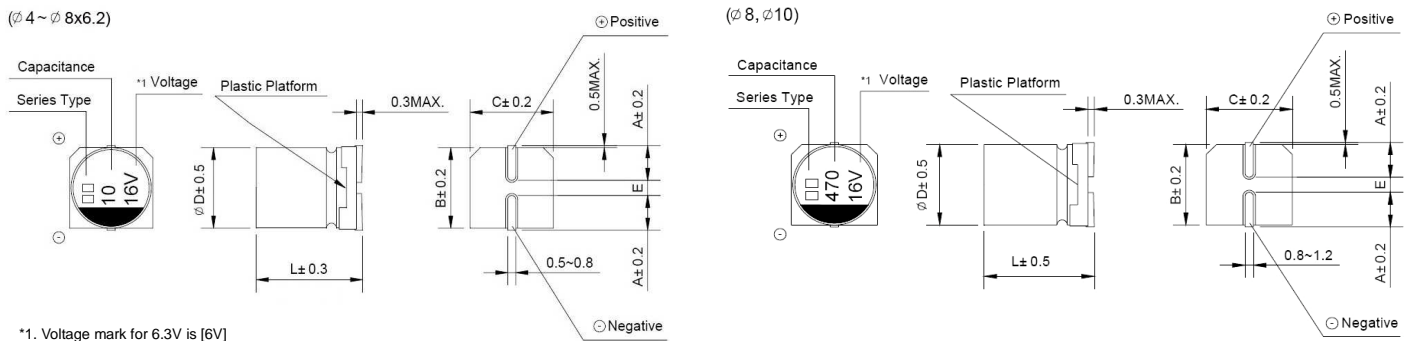
- Wide temperature range -55 ~ +105°C
適用於 -55 ~ +105°C 的寬溫範圍
- Load life of 3000~5000 hours
負荷壽命 3000~5000 小時
- Comply with the RoHS directive
符合 RoHS 指令



SPECIFICATIONS 特性表

Items 項目	Characteristics 主要特性																
Operation Temperature Range 使用溫度範圍	-55 ~ +105°C																
Voltage Range 額定工作電壓範圍	6.3 ~ 100V																
Capacitance Range 靜電容量範圍	0.1 ~ 1500µF																
Capacitance Tolerance 靜電容量允許偏差	±20% at 120Hz, 20°C																
Leakage Current 漏電流	Leakage current 0.01CV or 3µA, whichever is greater (after 2 minutes application of rated voltage) 漏電流 0.01CV 或 3µA, 取較大值 (施加額定工作電壓 2 分鐘後)																
Dissipation Factor (tan δ) 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>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50 ~ 100</td> </tr> <tr> <td>tan δ (max.) 最大損耗角正切</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> </table>	Rated Voltage (V) 額定工作電壓	6.3	10	16	25	35	50 ~ 100	tan δ (max.) 最大損耗角正切	0.28	0.24	0.20	0.16	0.13	0.12		
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Stability at Low Temperature 低溫特性	Measurement frequency 測試頻率: 120Hz																
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Load Life 高溫負荷特性	After 5000 hrs. (3000 hrs. for Ø4~Ø6.3x5.4 & Ø8x6.2) 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 (Ø4~Ø6.3x5.4 和 Ø8x6.2 為 3000 小時) 後, 電容器的特性符合下表的要求。																
Shelf Life 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。																
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Resistance to Soldering Heat 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。																
Marking 標示	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

ØD x L	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 6.2	8 x 10.5	10 x 10.5	10 x 13.5
A	1.8	2.1	2.4	2.4	3.3	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3
E ± 0.2	1.0	1.3	2.2	2.2	2.2	3.1	4.4	4.4
L	5.8	5.8	5.8	7.7	6.2	10.5	10.5	13.5

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

WV		6.3		10		16		25	
μF	Code 代碼	0J		1A		1C		1E	
10	100					4 × 5.8	18	5 × 5.8	27
22	220	4 × 5.8	22	5 × 5.8	30	5 × 5.8	30	6.3 × 5.8	44
33	330	5 × 5.8	35	5 × 5.8	36	6.3 × 5.8	48	6.3 × 5.8	50
47	470	5 × 5.8	38	6.3 × 5.8	50	6.3 × 5.8	50	6.3 × 7.7 (8 × 6.2)	63 (63)
100	101	6.3 × 5.8	69	6.3 × 7.7 (8 × 6.2)	81 (81)	6.3 × 7.7 (8 × 6.2)	81 (81)	8 × 10.5	116
150	151	6.3 × 7.7 (8 × 6.2)	85 (85)	8 × 10.5	125	8 × 10.5	125	10 × 10.5	320
220	221	6.3 × 7.7 (8 × 6.2)	120 (120)	8 × 10.5	141	10 × 10.5	216	10 × 10.5	320
330	331	8 × 10.5	290	10 × 10.5	290	10 × 10.5	290	10 × 10.5	320
470	471	10 × 10.5	320	10 × 10.5	320	10 × 10.5	320		
680	681	10 × 10.5	320	10 × 10.5	320	10 × 13.5	420		
1000	102	10 × 10.5	410	10 × 13.5	390				
1500	152	10 × 13.5	450					Case size 尺寸	Ripple current 紋波電流

WV		35		50		63		100	
μF	Code 代碼	1V		1H		1J		2A	
0.1	0R1			4 × 5.8	1.0				
0.22	R22			4 × 5.8	2.6				
0.33	R33			4 × 5.8	3.2				
0.47	R47			4 × 5.8	5				
1	010			4 × 5.8	8				
2.2	2R2			4 × 5.8	12				
3.3	3R3			4 × 5.8	17			6.3 × 7.7 (8 × 6.2)	30 (30)
4.7	4R7	4 × 5.8	16	5 × 5.8	22			8 × 10.5	50
10	100	5 × 5.8	27	6.3 × 5.8	32	6.3 × 7.7 (8 × 6.2)	45 (45)	8 × 10.5	55
22	220	6.3 × 5.8	44	6.3 × 7.7 (8 × 6.2)	58 (58)	8 × 10.5	65	10 × 10.5	70
33	330	6.3 × 7.7 (8 × 6.2)	57 (57)	8 × 10.5	140	10 × 10.5	80	10 × 10.5	80
47	470	8 × 10.5	92	10 × 10.5	310	10 × 10.5	90		
100	101	10 × 10.5	151	10 × 10.5	310	10 × 13.5	150		
150	151	10 × 10.5	290	10 × 10.5	310				
220	221	10 × 10.5	375					Case size 尺寸	Ripple current 紋波電流

•Case size $\varnothing D \times L$ (mm), ripple current (mA rms) at 105°C 120Hz •尺寸 $\varnothing D \times L$ (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	0.1 ~ 1500μF	0.70	1.00	1.17	1.36	1.50

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