

產品特點 Features

- ◎產品直徑 Case diameter Φ 4mm~Φ 10mm
- ◎適用於再回流焊 Reflow soldering is available
- ◎低漏電品 Low leakage current
- ◎適用於高密度表面組裝 Available for high densify surface mounting
- ◎壽命105℃ 2000小時標準品 Life time105℃ 2000 hrs standard product
- ◎性能穩定,可靠性高 High stability and reliability

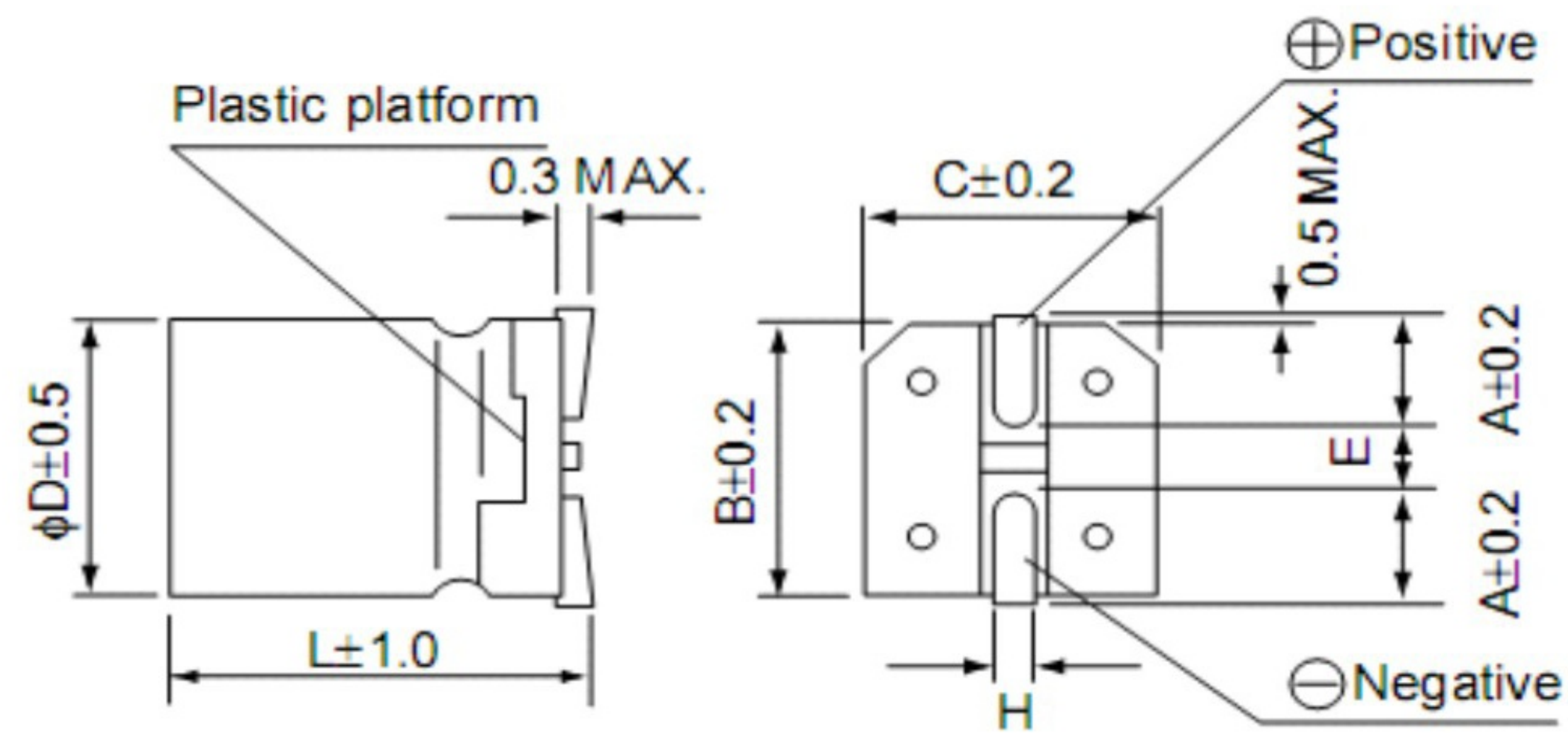


規格書 SPECIFICATION

項目Item	特性參數Characteristics						
使用溫度範圍 Operating Temperature Range	-55~+105℃						
額定電壓範圍 Rated Working Voltage Range	6.3~50V						
容量範圍 Capacitance Range	0.47 μ F~330 μ F						
容量允許偏差(20℃,120Hz) Capacitance Tolerance	± 20% (M)						
漏電流(20℃) Leakage Current	I ≤ 0.002 CV(μA) or 0.4 (A),2分鐘讀數						
	Whichever is greater after 2 minutes I：Leakage Current(A) C：Rated Capacitance(F) V：Working Voltage(V)						
低溫特性 Low Temperature Stability	阻抗比 Impedance ratio (120 Hz)						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z-250C/Z+200C（120Hz）	4	3	2	2	2	2
	Z-40℃/Z+20℃（120Hz）	10	8	6	4	3	3
高溫負荷特性 Load Life	105℃施加額定電壓 2000 小時後，放置 16 小時後，電容器應滿足以下要求: After applying rated voltage with max ripple current for 2000hrs at +105℃ ,and then resumed 16 hours, the capacitors Shall meet the following requirements.						
	容量變化率 Capacitance Change	±30%初始值內 Within ρ30% of initial value					
	損耗角正切值 Dissipation Factor	≤200%初始規定值 Not more than 300% of the specified value					
	漏電流 Leakage Current	≤初始規定值 Not more than the specified value					
高溫貯存特性 Shelf Life	105℃貯存 1000 小時後，放置 16 小時後，電容器應滿足以下要求: After storage for 1000hrs at +105℃, then resumed 16 hours, the capacitors Shall meet the following requirements						
	容量變化率 Capacitance Change	±30%初始值內 Within ρ30% of initial value					
	損耗角正切值 Dissipation Factor	≤200%初始規定值 Not more than 300% of the specified value					
	漏電流 Leakage Current	≤300%初始規定值 Not more than 300% of the specified value					
耐焊接熱: Resistance to Soldering Heat	在 250℃的條件下，電容器在熱板上保持 30 秒，然後從熱板上取下電容器， 讓其在室溫下恢復，電容器應滿足以下要求: The capacitors shall be kept on then hot plate maintained at 250℃ for 30 seconds.After removing from the hot plate and restored at room temperature, they meet the following requirement：						
	容量變化率 Capacitance Change	±10%初始值內 Within ±10% of the initial value					
	損耗角正切值 Dissipation Factor	≤初始規定值 Not more than the specified value					
	漏電流 Leakage Current	≤初始規定值 Not more than the specified value					

貼片鋁電解電容

外型圖DIMENSIONS :
Ø 4 ~ Ø 6.3Non explosion proof valve ,



尺寸：Dimensions (Unit: mm)

D×L	Φ4×5.5	Φ5×5.5	Φ6.3×5.5	Φ6.3×7.7	Φ8×10.2	Φ10×10.2
C	4.3	5.3	6.6	6.6	8.3	10.3
B	4.3	5.3	6.6	6.6	8.3	10.3
A	1.8	2.2	2.7	2.7	2.9	3.2
H	0.5~0.8	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1
E	1.0	1.3	1.3	1.8	3.1	4.5
L	5.5	5.5	5.5	1.7	10.5	10.5

紋波電流修正系數 RIPPLE CURRENT

頻率系數 Frequency Coefficient

Frequency (Hz)	Frequency Coefficient				
	50	120	300	1k	≥10K
Cap(μF)					
0.1~47 μ F	0.70	1.00	1.17	1.36	1.50

貼片鋁電解電容

一覽表 Standard

Voltage (Code)		4		6.3		10		16	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
4.7	475							4 × 5.4	16
10	106					4 × 5.4	15	4 × 5.4	18
22	226			4 × 5.4	22	5 × 5.4	27	5 × 5.4	30
33	336	4 × 5.4	30	5 × 5.4	30	5 × 5.4	35	6.3 × 5.4	40
47	476	4 × 5.4	36	6.3 × 5.4	36	6.3 × 5.4	45	6.3 × 5.4	50
100	107	5 × 5.4	60	6.3 × 5.4	60	6.3 × 5.4	60	6.3 × 5.4	60
220	227	6.3 × 5.4	90	6.3 × 7.7	105	6.3 × 7.7	105	6.3 × 7.7	105
330	337	6.3 × 7.7	100	6.3 × 7.7	110	8 × 10.2	185	8 × 10.2	195
470	477	6.3 × 7.7	105	8 × 10.2	170	8 × 10.2	210	8 × 10.2	310
1000	108	8 × 10.2	260	10 × 10.2	230				

Maximum Allowable Ripple Current (mArms) at 105°C 120Hz
在105°C 120Hz條件的最大紋波值

Case Size Φ D × L (mm)
尺寸 Φ D × L (mm)

Voltage (Code)		25		35		50	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
0.1	104					4 × 5.4	1
0.22	224					4 × 5.4	3
0.33	334					4 × 5.4	3
0.47	474					4 × 5.4	4
1	105					4 × 5.4	6
2.2	225					4 × 5.4	11
3.3	335			4 × 5.4	13	4 × 5.4	14
4.7	475	4 × 5.4	13	4 × 5.4	15	5 × 5.4	19
10	106	5 × 5.4	23	5 × 5.4	25	6.3 × 5.4	30
22	226	6.3 × 5.4	38	6.3 × 5.4	42	6.3 × 7.7	51
33	336	6.3 × 5.4	48	6.3 × 5.4	50	6.3 × 7.7	60
47	476	6.3 × 5.4	60	6.3 × 7.7	80	8 × 10.2	150
100	107	6.3 × 7.7	91	8 × 10.2	155	10 × 10.2	300
220	227	8 × 10.2	155	10 × 10.2	300		
330	337	10 × 10.2	300				

Maximum Allowable Ripple Current (mArms) at 105°C 120Hz
在105°C 120Hz條件的最大紋波值

Case Size Φ D × L (mm)
尺寸 Φ D × L (mm)

Voltage (Code)		63		100	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current
1	105			5 × 5.4	9
22	225			6.3 × 5.4	14
33	335			6.3 × 5.4	
47	475			6.3 × 5.4	21
10	106	6.3 × 5.4	33	6.3 × 7.7	35
22	226	8 × 10.2	96	8 × 10.2	100
33	336	8 × 10.2	117	10 × 10.2	130
47	476	8 × 10.2	140	10 × 10.2	155
100	107	10 × 10.2	232		

Maximum Allowable Ripple Current (mArms) at 105°C 120Hz
在105°C 120Hz條件的最大紋波值

Case Size Φ D × L (mm)
尺寸 Φ D × L (mm)