

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
- ◎適用於高密度表面組裝 Available for high density 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
- ◎低阻抗 Low impedance

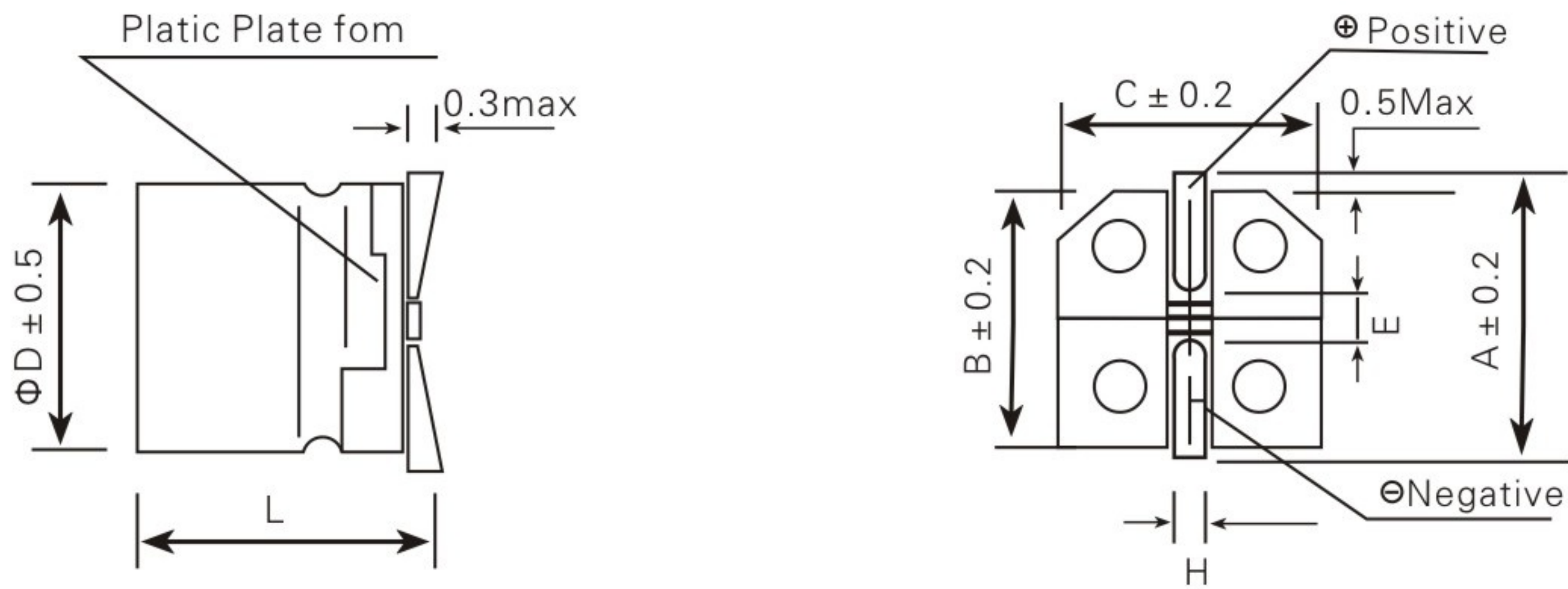


規格書 SPECIFICATION

項目 Items	特性 Characteristics							
工作溫度範圍 Category Temperature Range	-55℃~+105℃							
額定電壓範圍 Rated Working Voltage Range	6.3~50V.DC							
標稱電容量範圍 NominalCapacitance Range	0.1 μ F~1500 μ F							
標稱電容量允許偏差 Nominal Capacitance Tolerance	± 20%(120Hz+20℃)							
泄漏電流範圍 Leakage Current(MAX)	I≤0.01CV(μ A)or 3(μ A) after 2 minutes I=Leakage Current(μ A) C=Nominal Capacitance(μ F) V= Roted Voltage(V)							
損耗角正切值 Dissipation Factor(MAX) Tan δ (20℃,120Hz2)	Rated Voltage(V)		6.3	10	16	25	35	50
	Tan δ		0.26	0.20	0.16	0.14	0.12	0.12
耐久性 Load Life	+105℃施加額定工作電壓2000H後， 放置16H,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							
	Capacitance Change		Within ± 30% of the initial value					
	Dissipation Factor		≤Not more than 300% of the specified value					
	Leakage Current		≤Not more than the specified value					
高溫貯存 Shelf Life	+105℃，貯存1000H後， 放置16H， 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							
	Capacitance Change		Within ± 30% of the initial value					
	Dissipation Factor		Not more than 300% of the specified value					
	Leakage Current		Within 200% of initial 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， 然後從熱板上取出電容器， 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:							
	Capacitance Change		± 10%初始值以內 Within ± 10% of the initial value					
	Dissipation Factor		≤初始規定值 Not more than the initial specified value					
	Leakage Current		≤初始規定值 Not more than the initial specified value					
低溫特性及阻抗比 Low Temperature Stability Impedance Ratio(MAX) 120Hz	Roted Voltage (V)		6.3	10	16	25	35	50
	Z-25℃/Z+20℃ (120Hz)	< Φ8	4	3	2	2	2	2
		≥ Φ8	5	4	3	2	2	2
	Z-55℃/Z+20℃ (120Hz)	< Φ8	12	8	4	4	3	3
		≥ Φ8	10	8	6	4	3	3
	其它 Other	IEC 60384 JIS-C5101						

貼片鋁電解電容

尺寸圖 Dimensions
(Φ4~Φ10)



單位：mm

ΦD	L	A	B	C	E	H
4	5.4 ± 0.3	5.0	4.3	4.3	1.0	0.5~0.9
5	5.4 ± 0.3	6.0	5.3	5.3	1.5	0.5~0.9
6.3	5.4 ± 0.3	7.2	6.6	6.6	2.1	0.5~0.9
6.3	7.7 ± 0.3	7.2	6.6	6.6	2.1	0.5~0.9
8	10.2 ± 0.5	9.1	8.3	8.3	3.1	0.8~1.1
10	10.2 ± 0.5	11.1	10.3	10.3	4.5	0.8~1.1

一覽表 Standard

Voltage (Code)		6.3			10			16			25			35			50		
Cap. (μF)	Code	Case Size	Impe- dance	Ripple Current	Case Size	Impe- dance	Ripple Current	Case Size	Impe- dance	Ripple Current	Case Size	Impe- dance	Ripple Current	Case Size	Impe- dance	Ripple Current	Case Size	Impe- dance	Ripple Current
1.0	105																		
2.2	225																4×5.4	7.3	38
3.3	335																4×5.4	7.3	38
4.7	475							4×5.4	4.5	38	4×5.4	4.5	50	4×5.4	4.5	50	4×5.4	7.3	38
10	106							4×5.4	4.5	50	4×5.4	4.5	50	5×5.4	1.9	80	5×5.4	3.8	53
22	226	4×5.4	4.5	50	4×5.4	4.5	50	5×5.4	1.9	80	5×5.4	1.9	80	6.3×5.4	1.1	115	6.3×5.4	2.2	103
33	336	4×5.4	4.5	50	5×5.4	1.9	80	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×7.7	1.7	116
47	476	5×5.4	1.9	80	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×7.7	1.1	115	6.3×7.7	1.7	116
100	107	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×5.4	1.1	115	6.3×7.7	0.85	150	8×10.2	0.43	240	8×10.2	0.85	185
150	157	6.3×5.4	1.1	115	6.3×7.7	0.85	150	6.3×7.7	0.85	150	8×10.2	0.43	240	10×10.2	0.23	360	10×10.2	0.45	418
220	227	6.3×7.7	0.85	150	6.3×5.4	1.1	115	6.3×7.7	0.85	150	8×10.2	0.43	240	10×10.2	0.23	360	10×10.2	0.45	418
					6.3×7.7	0.85	150												
330	337	6.3×7.7	0.85	150	8×10.2	0.43	240	8×10.2	0.43	240	8×10.2	0.43	240	10×10.2	0.23	360			
470	477	8×10.2	0.43	240	8×10.2	0.43	240	8×10.2	0.43	240	10×10.2	0.23	360	10×10.2	0.23	360			
								10×10.2	0.23	360									
1000	108	10×10.2	0.23	360	10×10.2	0.23	360												
1500	158	10×10.2	0.23	360															

Maximum Allowable Ripple Current (mA rms) at 105°C 100kHz
在105°C 100kHz條件的最大紋波值
Maximum Impedance:(Ω , 20°C, 100kHz)
20°C 100kHz條件的最大Z值

Case Size $\Phi D \times L$ (mm)
尺寸 $\Phi D \times L$ (mm)

紋波電流補正系數 Multiplier For Ripple Current

頻率系數 Frequency coefficient

單位：mm

頻率	Frequency	50Hz	120Hz	300Hz	1kHz	$\geq 10\text{kHz}$
系數	Coefficient	0.64	0.5	0.64	0.83	1.0