

產品特點 Features

- ◎產品直徑 Case diameter Φ 6.3mm~ 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°C 3000~5000小時標準品 Life time 105°C 3000 hrs standard product
- ◎性能穩定,可靠性高 High stability and reliability

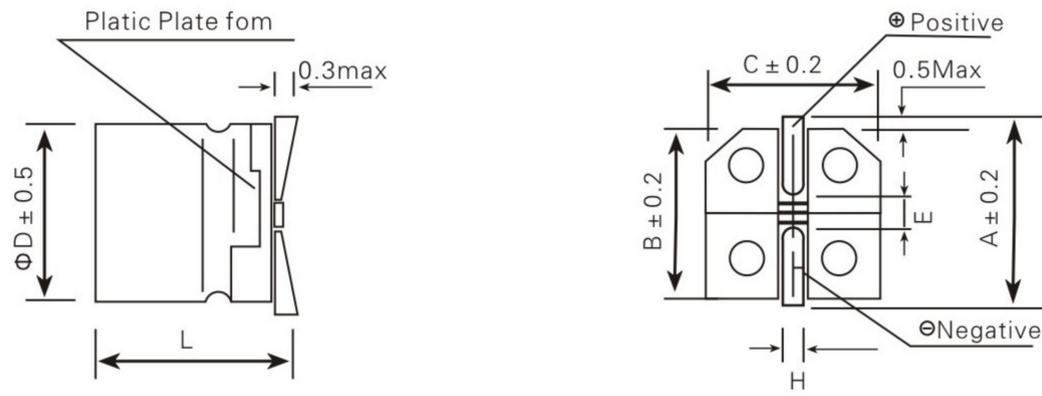


規格書 SPECIFICATION

項目 Items	特性 Characteristics																											
工作溫度範圍 Category Temperature Ran	-55°C~+105°C																											
額定電壓範圍 Rated Working Voltage Range	6.3~100V.DC																											
標稱電容量範圍 Nominal Capacitance Range	4.7 μ F~1500 μ F																											
標稱電容量允許偏差 Nominal Capacitance Tolerance	\pm 20%(120Hz+20°C)																											
泄漏電流範圍 Leakage Current(MAX)	$I \leq 0.01CV(\mu A)$ or $3(\mu A)$ after 2 minutes I =Leakage Current(μA) C =Nominal Capacitance(μF) V = Roted Voltage(V)																											
損耗角正切值 Dissipation Factor(MAX) Tan δ (20°C,120Hz2)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Rated Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Tan δ</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> <td>0.14</td> </tr> </tbody> </table>	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	Tan δ	0.30	0.24	0.20	0.18	0.16	0.14	0.14	0.14									
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耐久性 Load Life	<p>+105°C施加額定工作電壓5000H後, (Φ6.3, 3000H) 放置16H,電容器應滿足以下要求。 After applying rated voltage with max ripple current for 5000hrs (Φ6.3, 3000hrs) at 105°C,and then resumed 16 hours ,the capacitors shall meet the following requirements</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td>Capacitance Change</td> <td>Within \pm 30% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	Within \pm 30% of the initial value	Dissipation Factor	Not more than 300% of the specified value	Leakage Current	Not more than the specified value																					
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高溫貯存 Shelf Life	<p>+105°C貯存1000H後, 放置16H, 電容器應滿足以下要求。 After storage for 1000hrs at 105°C, then resumed 16 hours, the capacitors shall meet the following requirements</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td>Capacitance Change</td> <td>Within \pm 30% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within 200% of initial specified value</td> </tr> </tbody> </table>	Capacitance Change	Within \pm 30% of the initial value	Dissipation Factor	Not more than 300% of the specified value	Leakage Current	Within 200% of initial specified value																					
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耐焊接熱 Resistance to Soldering Heat	<p>在250°C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°C for 30 seconds.After removing from the hot plate and restored at room temperature, they meet the following requirement:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td>Capacitance Change</td> <td>Within \pm 10% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the initial specified value</td> </tr> </tbody> </table>	Capacitance Change	Within \pm 10% of the initial value	Dissipation Factor	Not more than the initial specified value	Leakage Current	Not more than the initial specified value																					
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低溫特性及阻抗比 Low Temperature Stability Impedance Ratio(MAX) 120Hz	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Roted Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-55°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Roted Voltage (V)	6.3	10	16	25	35	50	63	100	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	Z-55°C/Z+20°C	8	6	4	4	3	3	3	3
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其它 Other	IEC 60384 JIS-C5101																											

貼片鋁電解電容

尺寸圖 Dimensions
(Φ6.3~Φ10)



單位: mm

ΦD	L	A	B	C	E	H
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	
Cap. (μF)	Code	Case Size	Ripple Current						
100	107	6.3 × 7.7	105					6.3 × 7.7	91
220	227	6.3 × 7.7	105	6.3 × 7.7	105	6.3 × 7.7	105	8 × 10.2	175
						8 × 10.2	150		
330	337	6.3 × 7.7	105	8 × 10.2	196	8 × 10.2	195	10 × 10.2	240
		8 × 10.2	210					8 × 10.2	220
470	477	8 × 10.2	210	8 × 10.2	210	8 × 10.2	230	10 × 10.2	280
		10 × 10.2	300			10 × 10.2	295		
1000	108	8 × 10.2	230	10 × 10.2	315				
		10 × 10.2	300						
1500	158	10 × 10.2	315						

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 x L (mm)
尺寸 Φ D x L (mm)

Voltage (Code)		35		50		63		100	
Cap. (μF)	Code	Case Size	Ripple Current						
4.7								6.3 × 7.7	35
10								6.3 × 7.7	35
								8 × 10.2	77
22				6.3 × 7.7	51	6.3 × 7.7	39	8 × 10.2	84
								10 × 10.2	126
33				6.3 × 7.7	60	6.3 × 7.7	49	8 × 10.2	133
						8 × 10.2	98		
47		6.3 × 7.7	70	6.3 × 7.7	63	8 × 10.2	112	10 × 10.2	140
				8 × 10.2	120				
100		6.3 × 7.7	100	8 × 10.2	63	8 × 10.2	160		
		8 × 10.2	120					10 × 10.2	170
220		8 × 10.2	170	10 × 10.2	220	10 × 10.2	196		
		10 × 10.2	220						
330		10 × 10.2	245						

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 x L (mm)
尺寸 Φ D x L (mm)

紋波電流補正系數 Multiplier For Ripple Current

頻率系數 Frequency cocfficient

頻率 Frequency	50Hz	120Hz	300Hz	1kHz	≥10kHz
系數 Coefficient	0.70	1.00	1.17	1.36	1.50