

SS 系 列 小 型 品

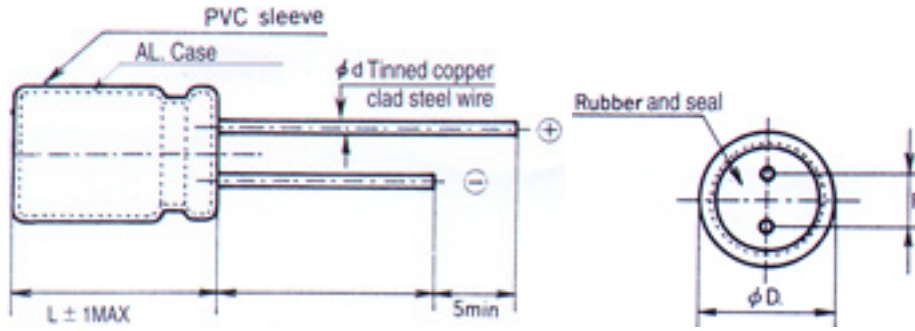
Series Miniature Size



項目 Item	特性 Characteristics																								
使用溫度範圍 Operating Temperature Range	- 40 ~ 105°C																								
額定電壓範圍 Rated Working Voltage Range	10V ~ 63V DC																								
靜電容量容許差 Capacitance Tolerance (120Hz, 25°C)	±20% (M)																								
洩漏電流 Leakage Current (25°C)	$I \leq 0.01CV + 3 (\mu A)$ I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) After 5 minutes applying the DC working Voltage																								
突波電壓 Surge Voltage (25°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>S.V.</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> <td>79</td> </tr> </table>	W.V.	6.3	10	16	25	35	50	63	S.V.	8	13	20	32	44	63	79								
W.V.	6.3	10	16	25	35	50	63																		
S.V.	8	13	20	32	44	63	79																		
散逸因素 (Tan. θ) Dissipation Factor (120Hz, 25°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Tan. θ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </table> <p>For capacitance exceeding 1000 μF, add 0.02 per increment of 1000 μF</p>	W.V.	6.3	10	16	25	35	50	63	Tan. θ	0.25	0.20	0.17	0.15	0.12	0.10	0.10								
W.V.	6.3	10	16	25	35	50	63																		
Tan. θ	0.25	0.20	0.17	0.15	0.12	0.10	0.10																		
溫度特性 Temperature Characteristics	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>-25°C /+25°C</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>-40°C /+25</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> <p>Impedance ratio at 120HZ</p>	W.V.	6.3	10	16	25	35	50	63	-25°C /+25°C	6	4	3	3	2	2	2	-40°C /+25	10	8	6	4	3	3	3
W.V.	6.3	10	16	25	35	50	63																		
-25°C /+25°C	6	4	3	3	2	2	2																		
-40°C /+25	10	8	6	4	3	3	3																		
高溫負荷特性 Load Test	<p>After 2000 hours application of W.V. at +105°C the capacitor shall meet he following limits</p> <table border="1"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>$\leq \pm 150\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>\leq initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	$\leq \pm 150\%$ of initial specified value	Leakage current	\leq initial specified value																		
Capacitance change	$\leq \pm 20\%$ of initial value																								
Tan. θ	$\leq \pm 150\%$ of initial specified value																								
Leakage current	\leq initial specified value																								
放置特性 Shelf Test	<p>After 500 hours application of W.V. at +105°C the capacitor shall meet he following limits</p> <table border="1"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>$\leq 200\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>$\leq 200\%$ of initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	$\leq 200\%$ of initial specified value	Leakage current	$\leq 200\%$ of initial specified value																		
Capacitance change	$\leq \pm 20\%$ of initial value																								
Tan. θ	$\leq 200\%$ of initial specified value																								
Leakage current	$\leq 200\%$ of initial specified value																								

SS

尺寸圖 Dimension



$L = 16 \rightarrow \alpha = 1$	$\phi D \leq 10 \rightarrow \beta = 0.5$
$L > 16 \rightarrow \alpha = 2$	$\phi D > 10 \rightarrow \beta = 1.0$

Unit (mm)

D	6	8	10	13	16	18	22
$F \pm 0.5$	2.5	3.5	5	5	7.5	7.5	10
$d \pm 0.02$	0.5	0.5	0.6	0.6	0.8	0.8	0.8

D x L (m/m)

μF	10		16		25		35		50		63	
0.47									4*7	5		
1	尺寸 Dimension : $\phi D \times L$ (mm)								4*7	10		
2.2	紋波電流 Ripple Current : mA (rms) at 120Hz 105°C								4*7	18		
3.3									4*7	23		
4.7									4*7	28	4*7	31
10			4*7	28	4*7	31	4*7	34	5*7	42	5*7	56
22			4*7	42	4*7 5*7	48	6*7	54	6*7	54		
33	4*7	45	5*7	54	5*7	60	6*7	65	8*9	86		
47	4*7	56	5*7	65	6*7	86	6*7	90	8*9	96		
100	5*7	80	6*7	86	8*9	90						
220	6*7	86	6*7 8*7	90	8*7	560						