

# SS 系 列 小 型 品

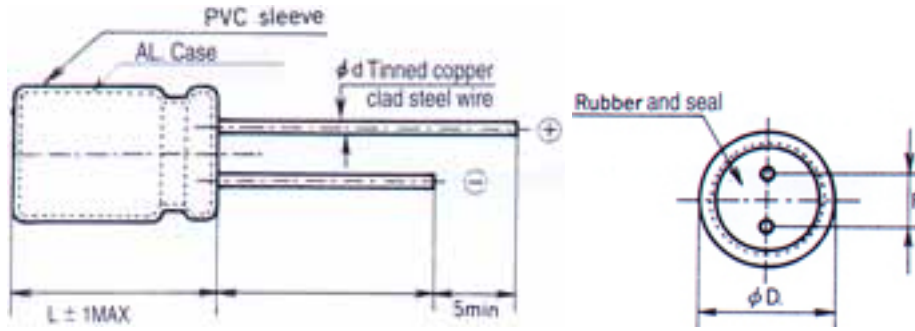
## Series Miniature Size



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 ( $\mu A$ ) C : Rated Capacitance ( $\mu F$ ) 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								
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散逸因素 (Tan. $\theta$ ) 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. <math>\theta</math></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> For capacitance exceeding 1000 $\mu F$ , add 0.02 per increment of 1000 $\mu F$	W.V.	6.3	10	16	25	35	50	63	Tan. $\theta$	0.25	0.20	0.17	0.15	0.12	0.10	0.10								
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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> Impedance ratio at 120HZ	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
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高溫負荷特性 Load Test	After 2000 hours application of W.V. at +105°C the capacitor shall meet he following limits <table border="1"> <tr> <td>Capacitance change</td> <td><math>\leq \pm 20\%</math> of initial value</td> </tr> <tr> <td>Tan. <math>\theta</math></td> <td><math>\leq \pm 150\%</math> of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td><math>\leq</math> initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. $\theta$	$\leq \pm 150\%$ of initial specified value	Leakage current	$\leq$ initial specified value																		
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放置特性 Shelf Test	After 1000 hours application of W.V. at +105°C the capacitor shall meet he following limits <table border="1"> <tr> <td>Capacitance change</td> <td><math>\leq \pm 20\%</math> of initial value</td> </tr> <tr> <td>Tan. <math>\theta</math></td> <td><math>\leq 200\%</math> of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td><math>\leq 200\%</math> of initial specified value</td> </tr> </table>	Capacitance change	$\leq \pm 20\%$ of initial value	Tan. $\theta$	$\leq 200\%$ of initial specified value	Leakage current	$\leq 200\%$ of initial specified value																		
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# SS

# 尺寸圖 Dimension



D	4	5	6	8
F ± 0.5	1.5	2.0	2.5	3.5
d ± 0.02	0.45	0.45	0.45	0.5

Unit (mm)

D x L (m/m)

$\mu F$	10		16		25		35		50		63			
0.47											4*7	5		
1	尺寸 Dimension : $\phi$ D x 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*7	96				
100	5*7	80	6*7	86	6*7 8*9	90	8*7	119						
220	6*7	86	6*7 8*7	90	8*7	96								