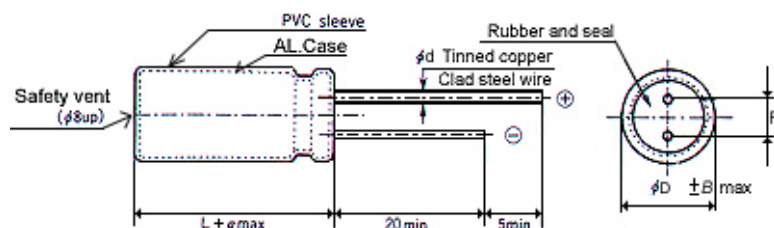


無 極 性 品

Non-Polarized at 120HZ

項目 Item	特性 Characteristics																								
使用溫度範圍 Operating Temperature Range	- 40 ~ 105℃																								
額定電壓範圍 Rated Working Voltage Range	10V ~ 100V DC																								
靜電容量容許差 Capacitance Tolerance (120Hz, 25℃)	±20% (M)																								
洩漏電流 Leakage Current (25℃)	$I \leq 0.04CV + 10 (\mu A)$ 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℃)	<table><tr><td>W.V.</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>S.V.</td><td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>79</td><td>125</td></tr></table>	W.V.	10	16	25	35	50	63	100	S.V.	13	20	32	44	63	79	125								
W.V.	10	16	25	35	50	63	100																		
S.V.	13	20	32	44	63	79	125																		
散逸因素 (Tan. θ) Dissipation Factor (120Hz, 25℃)	<table><tr><td>W.V.</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</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>0.12</td><td>0.10</td></tr></table>	W.V.	10	16	25	35	50	63	100	Tan. θ	0.25	0.20	0.17	0.15	0.12	0.12	0.10								
W.V.	10	16	25	35	50	63	100																		
Tan. θ	0.25	0.20	0.17	0.15	0.12	0.12	0.10																		
溫度特性 Temperature Characteristics	<table><tr><td>W.V.</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>-25℃ /+25℃</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>-40℃ /+25</td><td>6</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> Impedance ratio at 120HZ	W.V.	10	16	25	35	50	63	100	-25℃ /+25℃	3	2	2	2	2	2	2	-40℃ /+25	6	6	4	4	3	3	3
W.V.	10	16	25	35	50	63	100																		
-25℃ /+25℃	3	2	2	2	2	2	2																		
-40℃ /+25	6	6	4	4	3	3	3																		
高溫負荷特性 Load Test	After 2000 hours application of W.V. at +105℃ the capacitor shall meet he following limits <table><tr><td>Capacitance change</td><td>≤ ± 25% of initial value</td></tr><tr><td>Tan. θ</td><td>≤ ± 200% of initial specified value</td></tr><tr><td>Leakage current</td><td>≤ initial specified value</td></tr></table>	Capacitance change	≤ ± 25% of initial value	Tan. θ	≤ ± 200% of initial specified value	Leakage current	≤ initial specified value																		
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Leakage current	≤ initial specified value																								
放置特性 Shelf Test	After 500 hours application of W.V. at +105℃ the capacitor shall meet he following limits <table><tr><td>Capacitance change</td><td>≤ ± 20% of initial value</td></tr><tr><td>Tan. θ</td><td>≤ 200% of initial specified value</td></tr><tr><td>Leakage current</td><td>≤ 200% of initial specified value</td></tr></table>	Capacitance change	≤ ± 20% of initial value	Tan. θ	≤ 200% of initial specified value	Leakage current	≤ 200% of initial specified value																		
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尺寸圖 Dimension



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

D	5	6	8	10	13	16
$F \pm 0.5$	2	2.5	3.5	5	5	7.5
$d \pm 0.02$	0.5	0.5	0.5	0.6	0.6	0.8

Unit (mm)

D x L (m/m)

WV μ F	10		16		25		35		50		63		100	
0.47									5*11	10	5*11	10	5*11	13
1	尺寸 Dimension : $\varnothing$ D x L (mm)								5*11	16	5*11	16	5*11	20
2.2	紋波電流 Ripple Current : mA (rms) at 120Hz 105°C								5*11	24	5*11	24	5*11	32
3.3									5*11	29	5*11	35	6*12	47
4.7									5*11	39	6*12	42	6*12	55
10					5*11	48	5*11	51	6*12	67	6*12	70	10*12	95
22			5*11	66	5*11	82	5*11	89	6*12	109	10*12	124	10*16	171
33	5*11	73	5*11	93	6*12	100	6*12	119	8*12	143	10*16	166	13*21	210
47	6*12	88	6*12	109	6*12	133	8*12	157	8*12	181	13*21	219	13*25	276
100	6*12	183	6*12	195	8*12	228	10*17	271	10*20	295	13*25	390	16*26	485