



APPROVING SHEET

CUSTOMER

品名

PART NAME : Aluminum Electrolytic Capacitor

部 号 : 0.1uF 50V 5*11

SERIES:

部 号

CD110

SPECIFICATION:

部 号 : 63U - 10uF 5*11

DATE

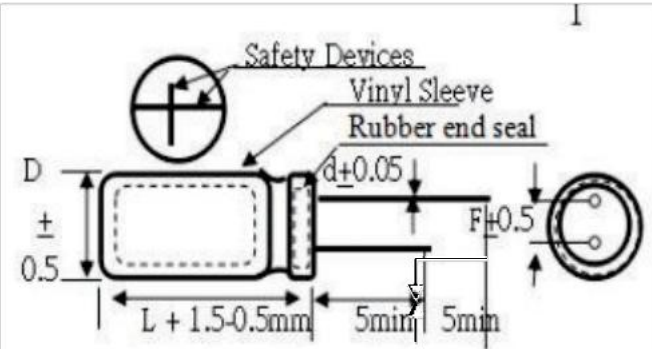
年 月 日

2025. 11. 15

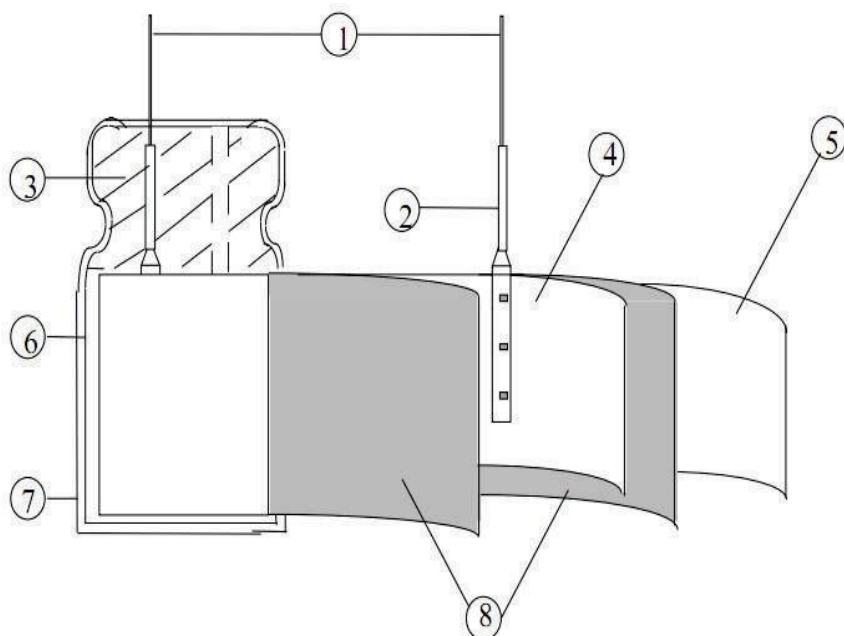
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MANUFACTURE		CUSTOMER	
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ALUMINUM ELECTROLYTIC CAPACITORS

—、 SPECIFICATIONS

Used Spec 〇マ被マ	10UF63V	Leakage Current +↑マ	≤ 6.3UA
Size 8 D×L(mm) マ〇Rマ	5*11	Operating Temperature Range °〇 マ	-40≈+105?
Rated Voltages Range(V) 仍マ↑	63V	Capacitance Tolerance(20?,120Hz) ママ 録マ(マ)±20%	8uF≈12uF
	Φ D ± β (Diameter)		5mm ± 0.5
	L ± a (Height)		11mm ± 1.0
	P ± 0.5 (Pitch)		2.0mm ± 0.5
	D ± 0.05		0.5mm ± 0.05

e. 隔ママママ (Frame drawing and Material list):



7	Characteristics of temperature	<table><tr><td>↑傳 step</td><td>温度 temperature</td><td>时间 Duration</td></tr><tr><td>1</td><td>20±2?</td><td>15 15 min</td></tr><tr><td>2</td><td>最低工作温度 minimum operating temperature</td><td>2 2 hours</td></tr><tr><td>3</td><td>20±2?</td><td>15 15 min</td></tr><tr><td>4</td><td>最高工作温度 maximum operating temperature</td><td>2 2 hours</td></tr></table>	↑傳 step	温度 temperature	时间 Duration	1	20±2?	15 15 min	2	最低工作温度 minimum operating temperature	2 2 hours	3	20±2?	15 15 min	4	最高工作温度 maximum operating temperature	2 2 hours																	
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Step1: Capacitance, tangent of the loss angle impedance shall be measured.																																		
↑傳 2: 电容, 损耗角正切, 阻抗 ↓ - 54 测试, 2 小时后																																		
Step2: After the capacitor being stored for 2hours, Capacitance, tangent of the loss angle and impedance shall be measured.																																		
↑傳 3: 20±2? 15 15 min																																		
Step3: The capacitor being stored fro 15min at 20±2?																																		
↑傳 4: 电容, 损耗角正切, 阻抗 ↓ - 54 测试, 2 小时后																																		
Step4: After the capacitor being stored for 2hours, capacitance and leakage current shall be measured																																		
<table><tr><td>额定电压 rated voltage</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td></tr><tr><td>Z - (-25?/Z(+20?))</td><td>7</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><td>2</td></tr><tr><td>Z - (-40?/Z(+20?))</td><td>15</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><td>3</td></tr></table>		额定电压 rated voltage	4	6.3	10	16	25	35	50	63	80	100	Z - (-25?/Z(+20?))	7	4	3	2	2	2	2	2	2	2	Z - (-40?/Z(+20?))	15	8	6	4	4	3	3	3	3	3
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8	Surge test	电容, 5000 次, 温度 30±5 °, 电容 5 ± 30 % 电容																																
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		The capacitor shall be subjected to 5000cycles at a temperature specified below, each consisting of a charge period of approx. 5min30sec. And the capacitor shall be stored under standard conditions thermal to obtain stability, after which measurements shall be made.																																
		测量电路 (测试电路)																																
		<table><tr><td>US: 30V±5% Surge voltage</td><td>by 10V±1% DC voltage</td></tr><tr><td>R1: 1KΩ Protective series resistor</td><td>R2: 100Ω Discharge resistor</td></tr><tr><td>CX: 测试电容 Test</td><td>S: 开关 Switch</td></tr></table>	US: 30V±5% Surge voltage	by 10V±1% DC voltage	R1: 1KΩ Protective series resistor	R2: 100Ω Discharge resistor	CX: 测试电容 Test	S: 开关 Switch																										
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SPEC: 1) ΔC/C≤15% 2) tg δ < 0.001 3) ↑																																		
<table><tr><td>RATED VOLTAGE (U_{DC})</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td></tr><tr><td>SURGE VOLTAGE (U_{DC})</td><td>5</td><td>8</td><td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>72</td><td>92</td><td>115</td></tr></table>		RATED VOLTAGE (U _{DC})	4	6.3	10	16	25	35	50	63	80	100	SURGE VOLTAGE (U _{DC})	5	8	13	20	32	44	63	72	92	115											
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9	つ※(t)† Damp heat	↑_{ΔE} 30℃ 40±2?, 4(t) 90%95 %_{qH} 500±8 12 1 2 the capacitor shall be stored at a temperature of 40±2° and relative huidity of 90 to 95% for 500±8hours°And then the capacitor shall be subjected to standard atmospheric conditions for 1 to 2hours, after which measurements shall be made SPEC:1) 电容量的变化 range in capacitance:±15%_v, 2) 损耗角正切 tangent of loss angle: ΔE%_v, 3) 漏电流 leakage current: ΔE%_v within ±15%of the initial value; The initial specified value or less; The initial specified value or less						
10	會 〇 shelf life	105? 1,000 20 The <table><tr><td>Capacitance Change after exposing then for 1,000 hours at 105°C without voltage applied.</td><td>When capacitors are restored to 20° Within ±20% of the initial value.</td></tr><tr><td>9_ω 漏 ↓ -_γ, Dissipation Facto</td><td>Not more than 200% of the specified value.</td></tr><tr><td>↑_{ΔE} Leakage Current</td><td>Not more than 200% of the specified value.</td></tr></table>	Capacitance Change after exposing then for 1,000 hours at 105°C without voltage applied.	When capacitors are restored to 20° Within ±20% of the initial value.	9 _ω 漏 ↓ - _γ , Dissipation Facto	Not more than 200% of the specified value.	↑ _{ΔE} Leakage Current	Not more than 200% of the specified value.
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11	境 _{vB} load life	105? 2000 The following specifications shall be satisfied when the capacitors are restored to 20° after subjected to rated DC voltage and rated ripple current at 105° after 2000 hoours. <table><tr><td>Capacitance Change</td><td>_v , 30%_x Within ±30% of the initial value.</td></tr><tr><td>9_ω 漏 ↓ -_γ, Dissipation Facto</td><td>Not more than 300% of the specified value.</td></tr><tr><td>↑_{ΔE} Leakage Current</td><td>Not more than 300% of the specified value.</td></tr></table>	Capacitance Change	_v , 30% _x Within ±30% of the initial value.	9 _ω 漏 ↓ - _γ , Dissipation Facto	Not more than 300% of the specified value.	↑ _{ΔE} Leakage Current	Not more than 300% of the specified value.
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↑ _{ΔE} Leakage Current	Not more than 300% of the specified value.							

ALUMINUM ELECTROLYTIC CAPACITORS

Specifications Of Product Packing

Diameter	Bag (PCS)	Box (PCS)	Remarks
Φ4	1000	100000	The inner and outer packaging can be customized according to your company's requirement
Φ	1000	0000	
Φ6	1000	40000	
Φ8	00	0000	
Φ10	00	10000	
Φ13	0	400	
Φ16	100	000	
Φ18	100	1000	
Φ22			

Product Size

U_R uF C_R	6.3V	10V	16V	V	3 V	0V	63V	100V	160V	3 0V	400V
0.1						×11					
0.						×11					
0.33						×11					
0.47						×11		×11			
1						×11		×11	6.3×11		6×16.
-						×11		×11	6.3×11		8×1
3.3						×11		×11	6.3×11	8×1	8×1
4.7						×11		×11	8×1	8×1	8×1
10			×11	×11	×11	×11	×11	6.3×11	8×14	10×16	10×17
1											10±17
			×11	×11	×11	×11	6.3×11	8×1	10×16	13× 1	16× 6
33			×11	×11	×11	6.3×11	6.3×11	8×14	10×17.	13× 1	16×
47		×11	×11	×11	6.3×11	6.3×11	8×1	10×16	13×	13×	18±
100	×11	×11	6.3×11	6.3×11	8×1	8×1	8×14	13× 0	16×	16×30	18×3
0	6.3×1	±1	6.3×1	8×1	8×1	10×14	10×16	16×	18×3		
330	6.3×11	6.3×1	8×1	8×14	10×1	10×16	10×	16×			
470	6.3×1	6.3×1	8×1	10×14	10×16	10×	13× 0	16×30			
1000	8×14	8×14	10×16	10× 0	13× 0	13×	16×	×3			
00	10×16	10× 0	10× 0	13× 1	16×	16×3	18×3				
3300	10×	13× 0	13×	16×	16×3	18×3					
4700	13× 0	13×	16×	16×3	18×3	×3					
6800	13×	16×	16×30	18×3	×3						

Lead Forming Taping specifications

Fig. 1 code: X

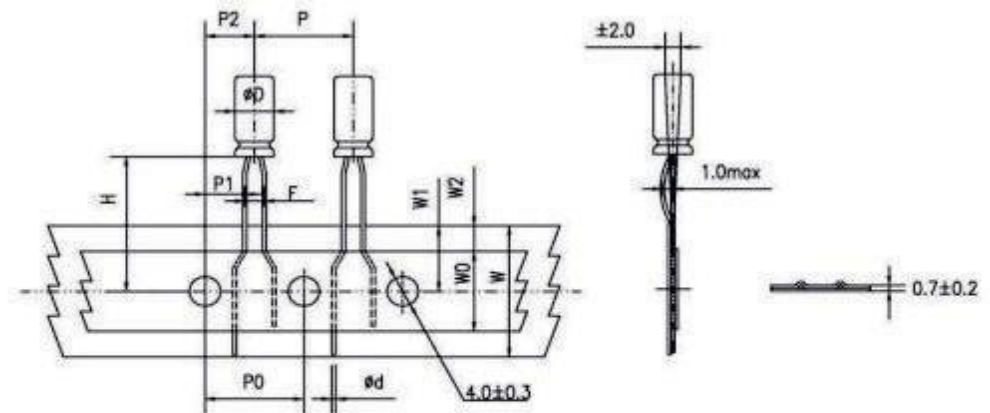


Fig. 2 code: B

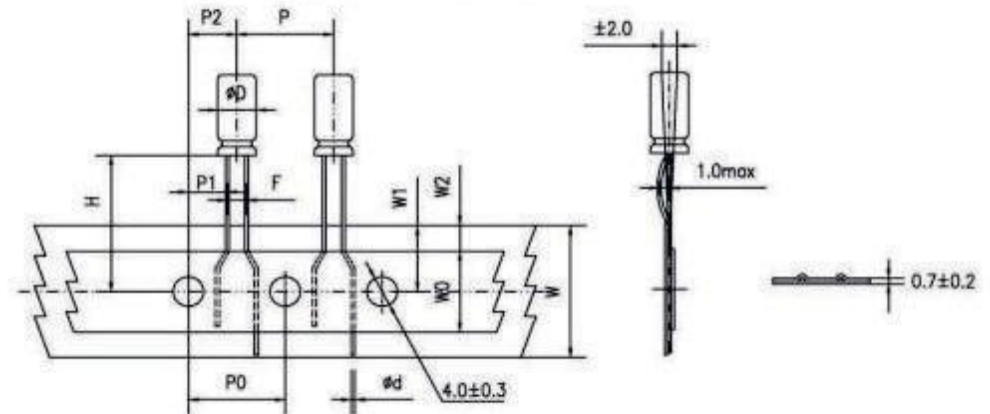


Fig. 3 code: B

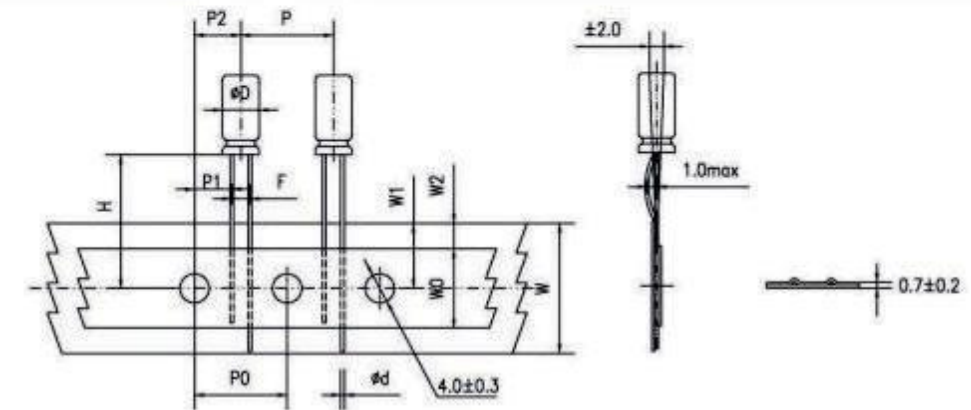


Fig. 4 code: P

[illegible]