

SPECIFICATION FOR APPROVAL

CUSTOMER _____

PART NAME Aluminum Electrolytic Capacitor - Radial

SPEC TS13DE CD110X 220uF 16V +/-20% 8X12mm P:3.5mm Bulk RoHS*

PART NO _____

DATE 2022-12-28

CUSTOMER APPROVE

DRAWING		
PREPARED	CHECKED	APPROVED

Suntan® Technology Company Limited

Unit H, 4/F., Dormind Industrial Building , 13 Yip Fung Street, Fanling, N. T., Hong Kong.

[http:// www.suntan.com.hk](http://www.suntan.com.hk) E-mail : info@suntan.com.hk

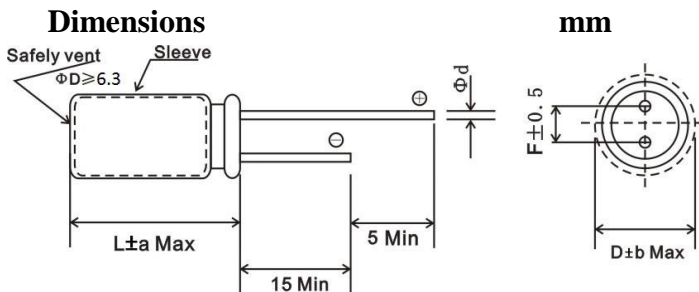
Tel : (852) 8202 8782 Fax : (852) 8208 6246

STANDARD RATINGS

capacitance	Voltage	tolerance	dimension	Ripple Current: 85°C @ 120Hz	2000H at 85C
(μ F)	(V)	(%)	(mm)	(mArms)	
220	16	+/-20%	8*12	295	

Specifications:

Items	Performance Characteristics								
Operating Temperature Range(°C)	-40~+85								
Capacitance Tolerance (25°C, 120Hz)	±20%								
Leakage Current(μ A)	<table border="1"> <tr> <td rowspan="2">Rated Voltage(V)</td> <td>16</td> </tr> <tr> <td>0.03cv or 4 whichever is greater(at 25°C, after 1 minutes) 0.01cv or 3 whichever is greater(at 25°C, after 2 minutes)</td> </tr> </table>	Rated Voltage(V)	16	0.03cv or 4 whichever is greater(at 25°C, after 1 minutes) 0.01cv or 3 whichever is greater(at 25°C, after 2 minutes)					
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Dissipation Factor (25°C, 120Hz)	<table border="1"> <tr> <td>Rated Voltage</td> <td>16</td> </tr> <tr> <td>Tan δ</td> <td>0.20</td> </tr> </table> <p>0.02 is added to every 1000 μF increase over</p>	Rated Voltage	16	Tan δ	0.20				
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Temperature Stability (120Hz)	<table border="1"> <tr> <td colspan="2">Rated Voltage(V)</td> <td>16</td> </tr> <tr> <td rowspan="2">Impedance</td> <td>Z-25°C/Z+20°C</td> <td>3</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> </tr> </table>	Rated Voltage(V)		16	Impedance	Z-25°C/Z+20°C	3	Z-40°C/Z+20°C	8
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Load Life (+85°C)	<table border="1"> <tr> <td>Time</td> <td>2000 hours</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the specified value.</td> </tr> <tr> <td>Capacitance Change</td> <td>Within±20% of initial value</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than 200% of the specified value.</td> </tr> </table>	Time	2000 hours	Leakage current	Not more than the specified value.	Capacitance Change	Within±20% of initial value	Dissipation factor	Not more than 200% of the specified value.
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Leakage current	Not more than the specified value.								
Capacitance Change	Within±20% of initial value								
Dissipation factor	Not more than 200% of the specified value.								
Shelf Life (+85°C)	1000hours. No voltage applied. After test: U _R to be applied for 30 minutes, 24 to 48 hours before measurement.								



Frequency coefficient

Rated Voltage(V)	Freq(Hz)	CV(μ F · WV)				
		50, (60)	120	1K	10K	100K
16	----	0.80	1	1.1	1.2	1.2

\varnothing D	\varnothing d	F	a	b
8	0.5	3.5	+1.5-1.0	0.5

Temperature coefficient

Temperature (°C)	+70	+85
Factor	1.35	1

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