

SPECIFICATION FOR APPROVAL

CUSTOMER _____

PART NAME Aluminum Electrolytic Capacitor - Radial

SPEC TS13DC CD70H 100uF 25V +/-20% 6.3*7mm P:2.5mm Bulk RoHS*

PART NO _____

DATE 2023-11-29

CUSTOMER APPROVE

DRAWING

PREPARED

CHECKED

APPROVED

Suntan® Technology Company Limited

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STANDARD RATINGS

capacitance	Voltage	tolerance	dimension	Picth	Rated Ripple Current 105°C, 120Hz(Arms)	1000H at 105C
(μ F)	(V)	\pm (%)	(mm)	+/-0.5		
100	25	20	6.3*7	2.5	75	

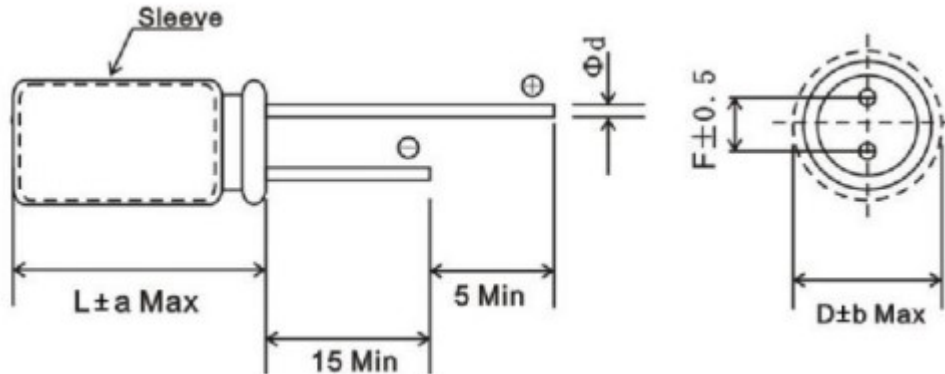
Frequency coefficient

Frequency(Hz) Cap(μ F)	50,60	120	1K	10K~100K
100	0.80	1.00	1.34	1.50

Temperature coefficient:

Temperature($^{\circ}$ C)	+70	+85	+105
Factor	2.10	1.80	1

Diagram of dimensions(mm)



SPECIFICATIONS

Items	Performance Characteristics		
Operating Temperature Range ($^{\circ}$ C)	-40~+105 $^{\circ}$ C		
Voltage Range (V)	25VDC		
Capacitance Range (μ F)	100 μ F		
Capacitance Tolerance (20 $^{\circ}$ C, 120Hz)	\pm 20%		
Leakage Current (μ A)	0.01CV or 3 μ A whichever is greater. (25 $^{\circ}$ C, after 2 minutes) C:Nominal capacitance (μ F) V: Rated Voltage (V)		
Dissipation Factor (20 $^{\circ}$ C, 120Hz)	Rated Voltage (V)	25	
	Tan δ	0.14	
Temperature Stability (120Hz)	Rated Voltage (V)	25	
	Impedance Ratio	Z-25 $^{\circ}$ C/Z+20 $^{\circ}$ C	2
		Z-40 $^{\circ}$ C/Z+20 $^{\circ}$ C	3
Load Life (+105 $^{\circ}$ C)	Time	1000hours	
	Leakage Current	Not more than the specified value	
	Capacitance Change	Within \pm 20% of the initial value	
	Dissipation Factor	Not more than 200% of the specified value	
Shelf Life (+85 $^{\circ}$ C)	500hrs, No voltage applied. After test: U _R to be applied for 30 minutes,24 to 48 hours before measurement.		

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