

# ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

# TS13D CD11GH



## FEATURES

- 105°C 5000-8000hour

## ◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Rated Voltage	DC160~450V						
Capacitance	±20%						
Dissipation Factor	Rated Voltage (V)	200	250	350	400	450	
	Tan $\delta$	0.1	0.1	0.1	0.1	0.12	
Leakage Current	Rated Voltage (V)	200~250V			350~450V		
	Leakage Current	0.01CV or 3 $\mu$ A whichever is greater (at 20°C, after 2 minutes)			0.06CV+10 $\mu$ A (at 20°C, after 2 minutes)		
Load Life (+130°C or 105°C)	After application of the rated voltage and the rated ripple current at 105°C, the capacitors shall meet the below requirement						
	Time	5000hours					
	Leakage Current	Not more than the specified value.					
	Capacitance Change	Within±30% of the initial value					
Shelf Life (105°C)	Dissipation Factor	Not more than 300% of the specified value.					
	After leaving capacitors under no load at 105°C for 1000 hours, capacitors shall meet the specified value for load life characteristics listed above						

## ◆ Dimensions

mm

	6	8	10	12	16	18
$\Phi D$	6	8	10	12	16	18
$\Phi d$	0.5	0.5	0.6	0.6	0.8	0.8
P	2.5	3.5	5.0	5.0	7.5	7.5

a Max	D<18		D=18	
	L<35.5		L>35.5	
	+1.5	-1.0	+1.5	-1.0

$\beta$ Max	D<18		D≥18	
		0.5		1.0

## ◆ Multiplier for ripple current

Frequency coefficient factor for ripple current

Frequency	120Hz	1KHz	10KHz	100KHz
Cap (uF)				
2.2-47	0.85	0.9	1	1.1
68 - 330	0.9	0.95	1	1.1

## ◆ Case Size DxL (mm) Ripple Current (mA, 105°C/120Hz)

Cap/ $\mu$ F	160		200		250		350		400		450	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0	6.3x11	70	6.3x11	70	6.3x11	70	8x12	80	8x12	80	8x12	80
2.2	6.3x11	80	6.3x11	80	8x12	80	8x16	90	8x16	90	8x16	100
3.3	8x12	90	8x12	90	8x12	90	10x17	100	10x17	110	10x17	110
4.7	8x12	110	8x12	110	10x12	110	10x17	130	10x20	130	10x20	130
6.8	8x16	140	8x16	140	8x16	150	10x17	160	10x20	180	10x20	130
10	8x16	185	10x17	210	10x20	230	13x20	230	13x20	230	13x20	260
22	10x20	350	10x20	420	13x20	500	13x25	300	16x25	350	16x25	460
33	13x20	400	13x20	510	13x25	500	16x25	420	16x30	540	16x35	600
47	13x25	480	13x25	550	16x25	600	16x30	560	18x35	700	18x35	700
68	13x25	600	16x25	650	16x30	780	16x35	720	18x35	850	--	--
100	16x25	850	16x30	950	18x30	1000	--	--	--	--	--	--
150	18x30	1100	18x35	1150	--	--	--	--	--	--	--	--

Note: Specification are subject to change without notice. For more detail and update, please visit our website.