

# ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

# TS13D CD11G



## FEATURES

- 105°C 3000hour

## ◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Rated Voltage	DC160~450V						
Capacitance	±20%						
Dissipation Factor	Rated Voltage (V)	200	250	350	400	450	
	Tan $\delta$	0.06	0.06	0.08	0.08	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 voltage plus the rated ripple current at 105°C, the capacitors shall meet the below requirement						
	Time	3000hours					
	Leakage Current	Not more than the specified value.					
	Capacitance Change	Within±30% of the initial value					
Shelf Life (105°C)	After leaving capacitors under no load at 105°C for 1000 hours, capacitors shall meet the specified value for load life characteristics listed above						
	Dissipation Factor	Not more than 300% of the specified value.					

## ◆ Dimensions

mm

$\Phi D$	6	8	10	12	16	18
$\Phi d$	0.5	0.5	0.6	0.6	0.8	0.8
F	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	W.V Factor			
	120	1K	10-30K	30-100K
200-250	0.55	0.85	0.9	1.00
350-450	0.5	0.8	0.9	1.00

## ◆ 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	30	6.3x11	30	6.3x11	30	8x12	35	8x12	35	8x12	35
2.2	6.3x11	35	6.3x11	35	8x12	35	8x16	40	8x16	40	8x16	45
3.3	8x12	40	8x12	40	10x14	40	10x17	50	10x17	50	10x17	50
4.7	8x12	50	8x12	50	8x12	50	10x17	60	10x20	60	13x20	60
6.8	8x16	65	8x16	65	8x16	70	10x17	80	10x20	80	10x20	60
10	8x16	85	10x17	95	10x20	100	13x20	110	13x20	110	13x20	120
22	10x20	150	10x20	170	13x20	230	13x25	230	16x25	160	16x25	210
33	13x20	190	13x20	230	13x25	240	16x25	190	16x30	240	16x30	260
47	13x25	230	13x25	250	16x25	270	16x30	250	16x35	320	18x31	330
68	13x25	270	16x25	290	16x30	340	16x35	320	18x35	380	--	--
100	16x25	380	16x30	420	18x30	450	--	--	--	--	--	--
150	18x30	450	18x35	500	--	--	--	--	--	--	--	--
220	18x35	550	18x40	650	--	--	--	--	--	--	--	--

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