

ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP

TS13D CD11GA



FEATURES

- Specially designed for electronic ballast and energy-save lamp high Ripple Current High Temperature, extremely Long Life
- 130°C 2000 hours or 105°C 8000 hours

◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Rated Voltage	DC160~450V						
Capacitance	±20%						
Dissipation Factor	Raged Voltage (V)	200	250	350	400	450	
	Tan δ	0.08	0.08	0.08	0.08	0.12	
Leakage Current	Rated Voltage (V)	200~250V			350~450V		
	Leakage Current	0.02CV+10 μ A (at 20°C, after 2 minutes)			0.02CV+10 μ A (at 20°C, after 2 minutes)		
Load Life (105°C)	After application of the voltage at 130°C 2000hours or 105°C 8000hours, the capacitors shall meet the below requirement						
	Time	130°C 2000hours or 105°C 8000hours					
	Leakage Current	Not more than the specified value.					
	Capacitance Change	Within±30% of the initial value					
Shelf Life (105±2°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					
ΦD		6	8	10	12	16	18
Φd		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	L<35.5		L≥35.5			
		+1.5 -1.0		+2.0 -1.0			
β Max	D<18			0.5			
	D≥18			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/ μ F	WV/V	160		200		250		350		400		450	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0		6.3x11	80	6.3x11	80	6.3x11	80	8x12	90	8x12	90	8x16	100
2.2		6.3x11	90	6.3x11	90	8x12	90	8x16	100	10x16	110	10x16	110
3.3		8x12	100	8x12	100	8x12	100	10x17	110	10x17	120	10x17	120
4.7		8x12	120	8x12	120	10x12	120	10x17	140	10x20	140	10x20	140
6.8		8x16	150	8x16	150	8x16	160	10x17	200	10x20	200	10x20	140
10		8x16	220	10x17	220	10x20	250	13x20	250	13x20	250	13x20	280
22		10x20	450	12x20	450	13x20	540	13x25	310	16x25	380	16x30	500
33		13x20	450	13x20	540	13x25	540	16x25	450	16x30	580	16x35	630
47		13x25	580	13x25	600	16x25	650	16x30	600	18x35	750	18x35	800
68		13x25	680	16x25	680	16x30	830	16x35	760	18x35	900	--	--
100		16x25	1000	16x30	1000	18x30	1080	--	--	--	--	--	--
150		18x30	1200	18x35	1200	--	--	--	--	--	--	--	--

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