

ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

FOR ENERGY LAMP - 105°C 8000-10000HOURS

TS13D CD11GE



FEATURES

105°C 8000-10000 hours

◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Rated Voltage	DC160~450V						
Capacitance	±20%						
Dissipation Factor	Rated Voltage (V)	160	200	250	350	400	450
	Tan δ	0.15	0.15	0.15	0.2	0.2	0.2
Leakage Current	Rated Voltage (V)	160~400V			450V		
	Leakage Current	$I_C \leq 0.02CV + 10 \mu A$ (160~400V) after 2minutes			$I_C \leq 0.03CV + 10 \mu A$ (160~400V) after 2minutes		
Load Life (105°C)	After application of the voltage at 105°C 8000-10000hours, the capacitors shall meet the below requirement						
	Time	105°C 8000-10000hours					
	Leakage Current	Not more than the specified value.					
	Capacitance Change	Within±20% of the initial value					
Shelf Life (105±2°C)	After leaving capacitors under no load at 105°C for 8000 hours, capacitors shall meet the specified value for load life characteristics listed above						
	Dissipation Factor	Not more than 200% of the specified value.					

◆ Dimensions

mm

ΦD	8	10	12,13	16	18,19	22
Φd	0.5	0.6	0.6	0.8	0.8	0.8
P	3.5	5.0	5.0	7.5	7.5	10.5

a Max	D<18	D=18		D>18
	+1.5 -1.0	L<35.5	L≥35.5	+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/μF	160		200		250		350		400		450	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
1.0	6.3x12	90	6.3x12	90	6.3x12	90	8x12	100	10x12	100	8x16	100
1.5	6.3x12	100	6.3x12	100	8x12	110	8x12	110	10x12	110	10x12	110
1.8	6.3x12	110	6.3x12	110	8x12	120	8x16	120	10x12	120	10x12	120
2.2	6.3x12	120	6.3x12	120	8x12	140	8x16	130	10x16	130	10x16	130
2.8	8x12	130	8x12	130	10x12	160	10x12	150	10x16	150	10x16	130
3.3	8x12	150	8x12	150	10x12	180	10x17	160	10x17	160	10x17	140
4.7	10x12	170	10x12	180	10x12	200	10x17	180	10x20	180	10x20	150
5.6	8x16	190	8x16	190	8x16	230	10x20	200	12x20	200	12x20	160
6.8	8x16	200	8x16	200	10x16	250	10x20	220	12x20	220	12x20	170
8.2	10x16	250	10x16	250	10x16	260	12x20	260	12.5x20	260	12x20	280
10	10x16	280	10x17	280	10x20	280	13x20	280	13x20	280	13x20	330
15	10x16	440	10x20	450	12x20	480	13x20	300	13x25	350	13x25	430
22	10x20	520	12x20	520	13x20	620	13x25	370	16x25	450	16x30	570
33	13x20	520	13x20	620	13x25	620	16x25	520	16x30	660	16x35	710
47	13x25	680	13x25	680	16x25	720	16x30	680	18x35	860	18x35	890
68	16x20	780	16x25	780	16x30	920	16x35	870	18x35	1100	--	--
100	16x25	1140	16x30	1140	18x30	1250	--	--	--	--	--	--
150	18x30	1380	18x35	1480	--	--	--	--	--	--	--	--

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