Suntan

ALUMINUM ELECTROLYTIC CAPACITOR

GENERAL SUPER MINIATURIZED

TS13 CD110X

FEATURES

- CD 110 Miniatned Series Miniatured
- 85˚C 2000 hours Guaranteed

◆ Specifications

ITEMS	PERFORMANCE CHARACTERISTICS
Operating Temperature Range(˚C)	-40~+85
Capacitance Tolerance (25˚C,120Hz)	±20%
Leakage Current(μA)	Rated Voltage(V): 6.3~100 / 160~450 0.03cv or 4 whichever is greater(at 25˚C, after 1 minutes) / CV≤1000:0.1 CV+40(at 25˚C, after 1 minutes) 0.01cv or 3 whichever is greater(at 25˚C, after 2 minutes) / CV>1000:0.04 CV+100(at 25˚C, after 1 minutes)
Dissipation Factor (25˚C,120Hz)	0.02 is added to to every 1000 μF increase over
Temperature Stability (120Hz)	
Load Life (+85˚ C)	
Shelf Life (+85˚ C)	1000hours, No voltage applied. After test: U_R to be applied for 30 minutes,24 to 48 hours before measurement.

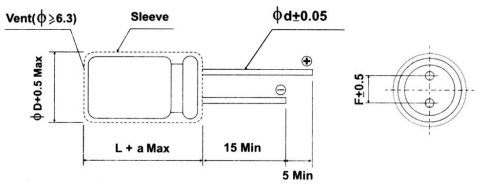
Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250	315	350	400	450
Tan δ	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.20	0.20	0.24	0.24	0.24	0.24

Rated Voltage(V)		6.3	10	16	25	35	50	63	100	160	200	250	315	350	400	450
Impedance	Z-25˚C/Z+20˚C	5	4	3	2					4						
	Z-40˚C/Z+20˚C	12	10	8	5	4	3			15				10		

Time	2000 hours
Leakage Current	Not more than the specified value.
Capacitance Change	Within±20% of initial value
Dissipation Factor	Not more than 200% of the specified value.

◆ Dimensions

mm



øD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0		7.5	
ød	0.5		0.6			0.8	
a	1.0		L < 16:1.5 L ≥ 16:2.0				

◆ Multiplier for ripple current

Frequency coefficient

Rated Volyage (V)	Freq(Hz) / CV(μF•WV)	50.60	120	1K	10K	100K
6.3~16	----	0.80	1	1.1	1.2	1.2
25~35	≤1000	0.80	1	1.5	1.7	1.7
	>1000	0.80	1	1.2	1.3	1.3
50~100	≤1000	0.80	1	1.6	1.9	1.9
	>1000	0.80	1	1.2	1.3	1.3
160~450	----	0.80	1	1.3	1.5	1.6

Temperature coefficient

Temperature(°C)	+70	+85
Factor	1.35	1