Suntan

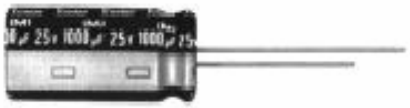
ALUMINUM ELECTROLYTIC CAPACITOR

105°C, EXTRA LOW IMPEDANCE

TS13 CD286

FEATURES

- Load life of 2000 hours at 105°C
- Switch power supply

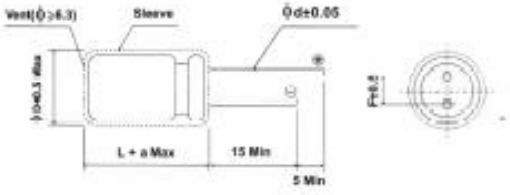


◆ Specifications

ITEMS	PERFORMANCE CHARACTERISTICS
Operating Temperature Range(°C)	-55~+105
Rated Voltage Range(V)	6.3~100
Capacitance Range(μF)	0.47~15000
Capacitance Tolerance(25°C,120Hz)	±20%
Leakage Current (μA)	I=0.02CV or 3 whichever is greather (at 25°C, after 2 minutes) C:Nominal Capacitance (μF) V:Rated Voltage(V)
Dissipation Factor(25°C,120Hz)	Rated Voltage: 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 Tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.09 / 0.08 Add 0.02 per 1000μF for 1000μF or more.
Characteristics of Low Temperature	Impedance at-10°C,100KHz<200% of initial specified value at +20°C,100KHz(Impedance ratio at 100KHz)
Load Life (105°C)	After life test at condition stated in the table below, the capacitors shall meet the following requirement. Case Dia / Test time (hrs): øD≤8 — 1000; øD>8 — 2000 Ripple current applied Leakage Current: Not more than the specified value. Capacitance Change: Within±20% of the initial value Dissipation Factor: Not more than 200% of the specified value.
Shelf Life (105°C)	1000 hours. No voltage applied. After test: U_R to be applied for 30 minutes, 24 to 48 hours before measurement.

◆ 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			2.0			

◆ Multiplier for ripple current

Frequency coefficient

Cap(μF) \ Freq(Hz)	120	1K	10K	100K
0.47~4.7	0.40	0.68	0.78	1.0
5.6~47	0.50	0.76	0.87	1.0
56~270	0.70	0.85	0.90	1.0
330~1000	0.80	0.93	0.98	1.0
1200~15000	0.90	0.95	1.0	1.0

Temperature coefficient

Temperature	+70	+85	+105
Factor	1.96	1.68	1.0