

ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

105°C, 7MM HEIGHT

TS13D CD70H

FEATURES

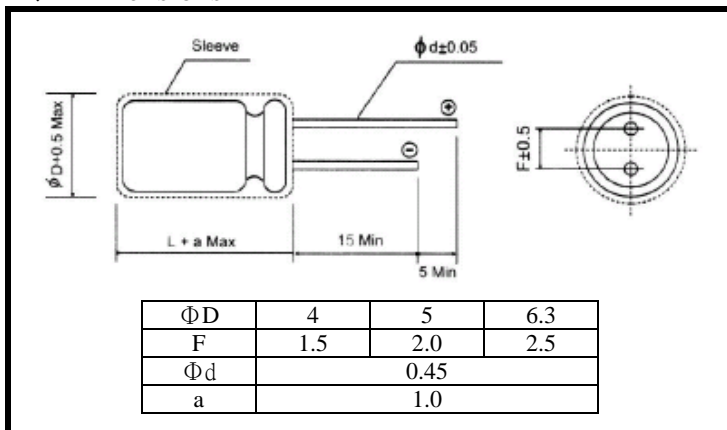
- Load life of 1000 hours at 105°C
- 7mm products
- VTR, digital cameras, car radios, micro cassette tape recorder etc



◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Operating Temperature Range(°C)	-40~+105						
Capacitance Tolerance (25°C, 120Hz)	±20%						
Leakage Current(μF)	0.01CV or 3 μA whichever is greater, (at 25°C, after 2 minutes) C: Nominal Capacitance(μF) V: Rated Voltage(V)						
Dissipation Factor (25°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Tan δ	0.22	0.19	0.16	0.14	0.12	0.10
Temperature Stability (120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Impedance ratio	Z-25°C / Z+20°C	3		2		
Load Life (+105°C)	Time	1000 hours					
	Leakage current	Not more than the specified value.					
Shelf Life (+85°C)	Capacitance change	Within±20% of initial value					
	Dissipation factor	Not more than 200% of the specified value.					
Shelf Life (+85°C)	500hours. No Voltage applied. After test: U _R to be applied for 30 minutes, 24 to 48 hours before measurement.						

◆ Dimensions



◆ Multiplier for ripple current

Frequency coefficient

Freq(Hz)	50,60	120	1K	10K~100K
Rated voltage(v)				
6.3~16	0.68	0.72	0.92	1.0
25~35	0.48	0.63	0.80	1.0
50	0.45	0.50	0.70	1.0

Temperature coefficient

Temperature (°C)	+70	+85	+105
Factor	2.10	1.80	1

◆ Standard ratings

WV(v)	6.3		10		16		25		35		50	
	Size(mm)	Ripple mArms	Size(mm)	Ripple mArms	Size(mm)	Ripple mArms	Size(mm)	Ripple mArms	Size(mm)	Ripple mArms	Size(mm)	Ripple mArms
0.1	--	--	--	--	--	--	--	--	--	--	4x7	6
0.22	--	--	--	--	--	--	--	--	--	--	4x7	8
0.33	--	--	--	--	--	--	--	--	--	--	4x7	10
0.47	--	--	--	--	--	--	--	--	--	--	4x7	12
1	--	--	--	--	--	--	--	--	--	--	4x7	16
2.2	--	--	--	--	--	--	--	--	--	--	4x7	25
3.3	--	--	--	--	--	--	4x7	21	4x7	23	4x7	28
4.7	--	--	--	--	--	--	4x7	25	4x7	25	4x7	48
10	--	--	--	--	4x7	39	5x7	47	5x7	48	6.3x7	75
22	4x7	42	5x7	49	5x7	54	6.3x7	87	6.3x7	90	--	--
33	5x7	53	5x7	60	6.3x7	83	6.3x7	90	--	--	--	--
47	5x7	64	6.3x7	95	6.3x7	95	--	--	--	--	--	--
100	6.3x7	96	--	--	--	--	--	--	--	--	--	--

Ripple Current: 105°C, 100KHz

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