

# ALUMINUM ELECTROLYTIC CAPACITOR

Suntan®

105°C, 7MM HEIGHT

# TS13D CD70H

## FEATURES

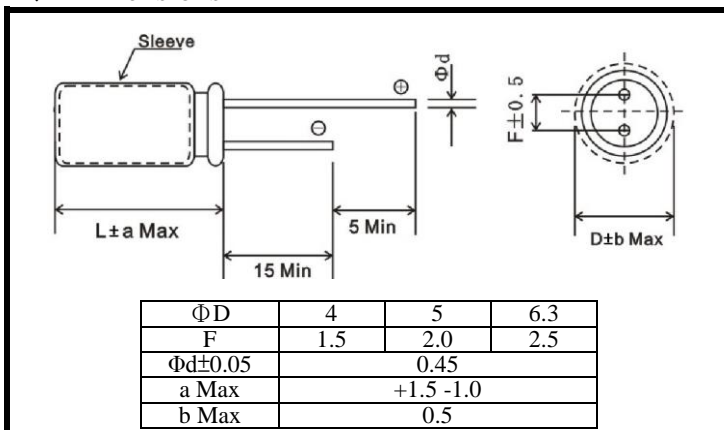
- Load life of 1000 hours at 105°C
- 7mm products
- VTR, digital cameras, car radios, micro cassette tape recorder etc



## ◆ Specifications

I T E M S		P E R F O R M A N C E C H A R A C T E R I S T I C S					
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.					
	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 <sub>R</sub> 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
Cap (μF)				
0.47 ~ 47	0.75	1.00	1.55	2.00
68 ~ 100	0.80	1.00	1.34	1.50

### 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	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple
Cap(μF)	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	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.