

# ALUMINUM ELECTROLYTIC CAPACITOR

5MM HEIGHT NON POLARIZE

Suntan®

DISCONTINUED

## FEATURES

- Load life of 1000 hours at 85°C
- Bi-polar
- 5mm height

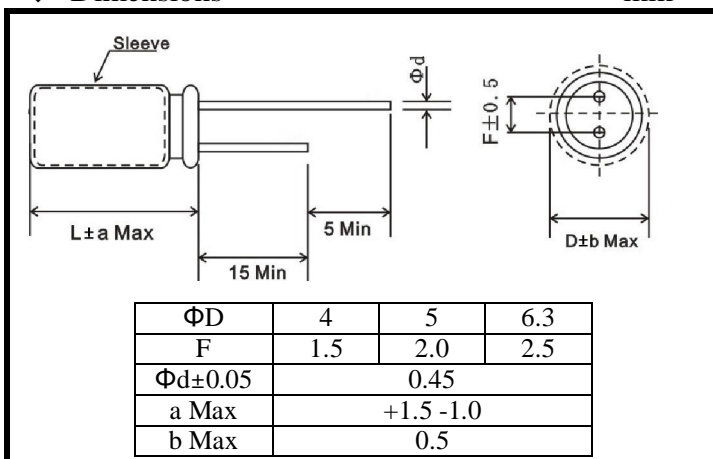
# TS13D CD50BP



## ◆ Specifications

ITEMS		PERFORMANCE CHARACTERISTICS					
Temperature Range(°C)	-40~+85						
Leakage Current(μA)	Less than 0.03CV+3(25°C, after 5 minutes) C: Capacitance(μF), V: Voltage(V)						
Capacitance Tolerance (25°C, 120Hz)	20%						
Dissipation Factor (25°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Tan δ	Φ4	0.35	0.30	0.25	0.20	0.20
		Φ5,6.3	0.30	0.25	0.20	0.15	0.15
Load Life (+85°C)	Time	1000 hours (with the polarity inverted every 250hrs)					
	Leakage current	Initial specified value or less					
	Capacitance Change	Within±20% of initial value					
	Dissipation	200% or less of initial specified value					

## ◆ Dimensions



## ◆ Multiplier for ripple current

### Frequency coefficient

Freq(Hz)	50,60	120	1K	10K~100K
Rated voltage(v)				
6.3~16	0.80	1	1.1	1.2
25~35	0.80	1	1.5	1.7
50	0.80	1	1.6	1.9

### Temperature coefficient

Temperature (°C)	+70 or less	+85
Factor	1.35	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	--	--	--	--	--	--	--	--	--	--	4x5	2
0.22	--	--	--	--	--	--	--	--	--	--	4x5	3
0.33	--	--	--	--	--	--	--	--	--	--	4x5	4
0.47	--	--	--	--	--	--	--	--	--	--	4x5	5
1	--	--	--	--	--	--	--	--	--	--	4x5	7
2.2	--	--	--	--	--	--	--	--	4x5	11	5x5	14
3.3	--	--	--	--	--	--	4x5	13	5x5	17	6.3x5	20
4.7	--	--	--	--	4x5	14	5x5	21	6.3x5	24	6.3x5	24
10	--	--	4x5	18	5x5	26	6.3x5	35	6.3x5	35	--	--
22	5x5	31	6.3x5	40	6.3x5	45	--	--	--	--	--	--
33	6.3x5	45	6.3x5	49	--	--	--	--	--	--	--	--
47	6.3x5	54	6.3x5	59	--	--	--	--	--	--	--	--

Ripple Current: 85°C, 120Hz

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