

ALUMINUM ELECTROLYTIC CAPACITOR

5MM HEIGHT NON POLARIZE

TS13 CD50BP

FEATURES

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



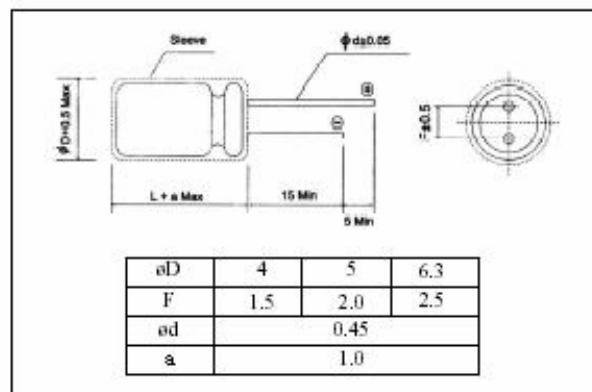
Specifications

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	ø 4	0.35	0.30	0.25	0.20	0.20	0.20	
		ø 5,6.3	0.30	0.25	0.20	0.15	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

mm

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
	øDxL	mArms	øDxL	mArms	øDxL	mArms	øDxL	mArms	øDxL	mArms	øDxL	mArms
Cap(μF)												
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