

# CD50BP SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS



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

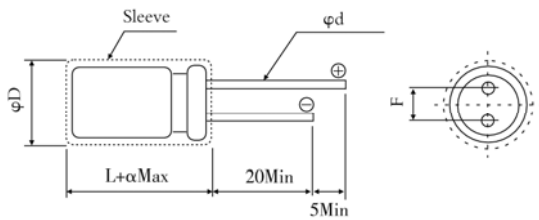
### SPECIFICATIONS

Item	Characteristics
Operating Temperature Range(°C)	-40~+85
Rated Voltage Range (V)	6.3~50
Nominal capacitance range (μF)	0.1~47
Leakage Current (μA)	$I \leq 0.03CV + 3$ (at 20°C, after 5 minutes) C: Nominal Capacitance (μF), V: Rated Voltage (v)
Capacitance Tolerance(20°C, 120Hz)	±20%
Dissipation Factor(20°C, 120Hz)	Rated voltage (v)
	tanδ
Load Life(+85°C)	Time
	Leakage current
	Capacitance change
	Dissipation Factor
Shelf Life (+85°C)	Time
	Leakage current
	Capacitance change
	Dissipation Factor

### DIMENSIONS

### MM

### MULTIPLIER FOR RIPPLE CURRENT



Lead spacing and diameter

φD±0.5	4	5	6.3
F±0.5	1.5	2.0	2.5
φd±0.1	0.45		
a	0~+1.0		

### 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	+85
Coefficient	1.35	1

### STANDARD RATINGS

Wv(v)	6.3		10		16		25		35		50	
Cap(μF)	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple
	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)
0.1	-	-	-	-	-	-	-	-	-	-	4x5	2
0.22	-	-	-	-	-	-	-	-	-	-	4x5	3
0.33	-	-	-	-	-	-	-	-	-	-	4x5	4
0.47	-	-	-	-	-	-	-	-	-	-	4x5	5
1	-	-	-	-	-	-	-	-	-	-	4x5	7
2.2	-	-	-	-	-	-	-	-	4x5	11	4x5	14
3.3	-	-	-	-	-	-	4x5	13	5x5	17	5x5	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, 100Hz or 120Hz.

The specific capacitance and case size are available on request.