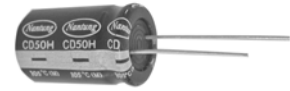


# CD50H SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS



- Load life of 1000 hours at 105°C
- 5mm height, Wide temperature

### SPECIFICATIONS

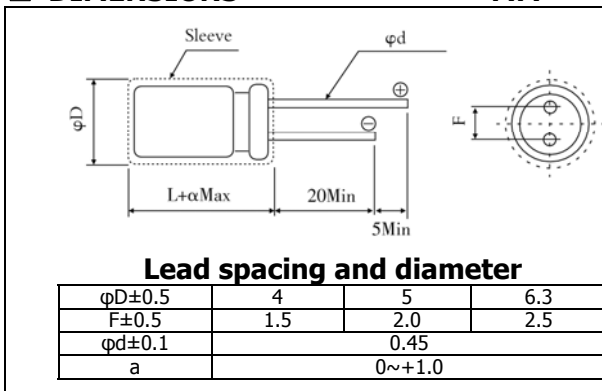
Item	Characteristics						
Operating Temperature Range(°C)	-55~+105						
Rated Voltage Range (V)	6.3~50						
Nominal capacitance range (μF)	0.1~220						
Leakage Current (μA)	$I \leq .01CV$ or 3 whichever is greater (at 20°C, after 2 minutes) C: Nominal Capacitance (μF), V: Rated Voltage (v)						
Capacitance Tolerance(20°C, 120Hz)	±20%						
Dissipation Factor(20°C, 120Hz)	Rated voltage (v)	6.3	10	16	25	35	50
	tanδ	0.28	0.24	0.20	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	
		z-40°C/z+20°C	8	5	4	3	
Load Life(+105°C)	Time	1000hours					
	Leakage current	Not more than the specified value					
	Capacitance change	within±20% of initial value					
	Dissipation factor	Not more than 200% of specified value					
Shelf Life (+105°C)	Time	500hours					
	Leakage current	Not more than the specified value					
	Capacitance change	within±20% of initial value					
	Dissipation factor	Not more than 200% of specified value					

After test: Rated voltage to be applied for 60 minutes, 24 to 48 hours before measurement.

### DIMENSIONS

### MM

### MULTIPLIER FOR RIPPLE CURRENT



**Frequency coefficient**

Freq (Hz)	50,60	120	1K	10K~100K
Rated voltage (v)				
6.3~16	0.64	0.80	0.92	1.0
25~35	0.57	0.71	0.89	1.0
50	0.53	0.67	0.90	1.0

**Temperature coefficient**

Temperature(°C)	+70	+85	+105
Coefficient	2.10	1.80	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	3
0.22	-	-	-	-	-	-	-	-	-	-	4x5	5
0.33	-	-	-	-	-	-	-	-	-	-	4x5	6
0.47	-	-	-	-	-	-	-	-	-	-	4x5	8
1	-	-	-	-	-	-	-	-	-	-	4x5	11
2.2	-	-	-	-	-	-	-	-	-	-	4x5	17
3.3	-	-	-	-	-	-	-	-	4x5	17	4x5	20
4.7	-	-	-	-	4x5	15	4x5	18	4x5	20	5x5	27
10	-	-	4x5	20	4x5	23	5x5	31	5x5	34	6.3x5	45
22	4x5	26	5x5	34	5x5	38	6.3x5	53	6.3x5	57	-	-
33	5x5	33	5x5	43	6.3x5	56	6.3x5	66	-	-	-	-
47	5x5	45	6.3x5	58	6.3x5	65	-	-	-	-	-	-
100	6.3x5	78	-	-	-	-	-	-	-	-	-	-
220	6.3x5	96	-	-	-	-	-	-	-	-	-	-

- Ripple Current: 105°C, 100Hz or 120Hz.

The specific capacitance size and case size are available on request.