

ALUMINUM ELECTROLYTIC CAPACITOR

CD50H

FEATURES

- Load life of 1000 hours at 105°C,
- 5mm height at case dia, 4-6.3mm

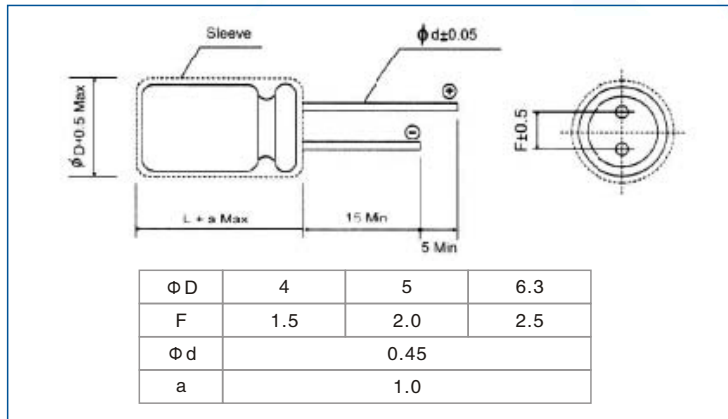


SPECIFICATIONS

ITEMS	PERFORMANCE CHARACTERISTICS						
Temperature Range(°C)	-55~+105						
Leakage Current(μ A)	Less than 0.01CV or 3 whichever is larger (at 25°C, after 2 minutes) C: Capacitance(μ F), 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	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	Z-25°C/Z+20°C		3		2	
	Ratio	Z-40°C/Z+20°C		8	5	4	3
Load Life(+105°C)	Time	1000 hours					
	Leakage current	Initial specified value or less					
	Capacitance change	Within ± 20% of initial value					
	Dissipation factor	200% or less of initial specified value					
Shelf Life(+105°C)	Test time 500hours, Others have same as load life Pretreatment performed						

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 or less	+85	+105
Factor	2.1	1.8	1

STANDARD RATINGS

Cap/μ F	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
	Φ DxL	mArms	Φ DxL	mArms	Φ DxL	mArms	Φ DxL	mArms	Φ DxL	mArms	Φ DxL	mArms
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	20
4.4	--	--	--	--	4x5	15	4x5	18	4X5	20	5X5	27
10	--	--	4X5	20	4x5	23	5X5	31	5X5	34	6.3X5	45
22	4X5	26	5x7	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	--	--	--	--	--	--	--	--	--	--

Ripple Current: 105°C, 100KHz