

CD71 BI-POLAR STANDARD Aluminum Electrolytic Capacitor

- LOAD LIFE OF 2000 HOURS AT 85
- BI-POLAR STANDARD
- IDEAL FOR INCONSISTENT POLARITY CIRCUITS

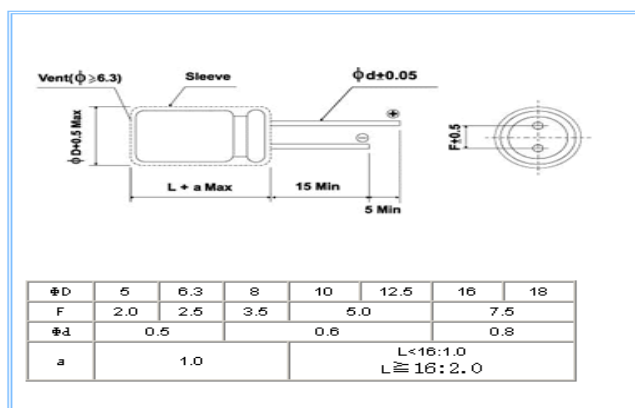
■ SPECIFICATIONS

Item	Characteristics									
Operating Temperature Range (°C)	-40~+85									
Capacitance Tolerance (25°C, 100Hz)	±20%									
Leakage Current(μA)	0.03CV+3 Max(at 25°C ,after 5 minutes) C:Nominal Capacitance(μF) V:Rated Voltage(V)									
Dissipation Factor(25°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	160
	tanδ	0.24	0.24	0.20	0.20	0.16	0.14	0.12	0.10	0.15
Temperature Stability(120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	63	100	160
	Impedance Ratio	Z-25°C/Z+20°C	4	3			2			4
		Z-40°C/Z+20°C	10	8	6	4	3			-
Load Life(+85°C)	Time	2000 hours.(Polarity inverts for every 250 hours)								
	Leakage Current	Not more than the specified value.								
	Capacitance Change	within ±20% of the initial value.								
	Dissipation Factor	Not more than 150% of the specified value.								
Shelf Life(+85°C)	1000hours. No voltage applied. After test:U _R to be applied for 30 minutes, 24 to 48 hours before measurement.									

■ DIMENSIONS

MM

■ MULTIPLIER FOR RIPPLE CURRENT



Frequency coefficient

Freq(Hz) Rated Voltage (V)	50.60	120	1K	10K	100K
6.3-16	0.80	1	1.1	1.2	1.2
25-35	0.80	1	1.5	1.7	1.7
50-160	0.80	1	1.6	1.9	1.9

Temperature coefficient

Temperature	+70	+85
Factor	1.35	1

■ STANDARD RATINGS

WV	6.3		10		16		25		35		50		63		100		160	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
Cap (μF)	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms
0.1	-	-	-	-	-	-	-	-	-	-	5×11	4	-	-	5×11	5	-	-
0.22	-	-	-	-	-	-	-	-	-	-	5×11	7	-	-	5×11	8	-	-
0.33	-	-	-	-	-	-	-	-	-	-	5×11	8	-	-	5×11	9	-	-
0.47	-	-	-	-	-	-	-	-	-	-	5×11	10	-	-	5×11	11	-	-
1	-	-	-	-	-	-	-	-	-	-	5×11	14	-	-	5×11	16	-	-
2.2	-	-	-	-	-	-	-	-	-	-	5×11	21	5×11	23	5×11	24	-	-
3.3	-	-	-	-	-	-	-	-	-	-	5×11	26	5×11	28	6.3×11	34	10×16	49
4.7	-	-	-	-	-	-	5×11	28	5×11	28	5×11	31	5×11	34	6.3×11	41	10×16	59
10	-	-	-	-	5×11	39	5×11	40	5×11	42	5×11	45	6.3×11	57	8×11.5	70	12.5×20	109
22	-	-	5×11	52	5×11	58	5×11	60	6.3×11	71	6.3×11	77	8×11.5	89	10×16	136	12.5×25	177
33	5×11	58	5×11	63	5×11	71	6.3×11	84	6.3×11	87	8×11.5	111	10×12.5	144	10×20	181	16×25	240
47	5×11	69	5×11	75	6.3×11	97	6.3×11	100	8×11.5	122	10×12.5	157	10×16	188	12.5×20	248	16×35.5	329
100	6.3×11	115	6.3×11	126	8×11.5	167	10×12.5	204	10×12.5	212	10×20	273	12.5×20	343	16×25	458	18×35.5	425
220	8×11.5	202	8×11.5	221	10×12.5	294	10×16	332	10×20	375	12.5×25	506	16×25	646	18×35.5	837	-	-
330	8×11.5	247	10×12.5	322	10×16	394	10×20	444	12.5×20	526	12.5×25	620	-	-	-	-	-	-
470	10×12.5	350	10×16	420	10×20	513	12.5×20	607	12.5×25	685	16×25	861	-	-	-	-	-	-
1000	10×20	611	12.5×20	767	12.5×25	935	16×25	1120	16×31.5	1270	-	-	-	-	-	-	-	-
2200	12.5×25	1090	16×25	1380	16×31.5	1660	-	-	-	-	-	-	-	-	-	-	-	-
3300	16×25	1490	16×31.5	1760	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4700	16×31.5	1880	18×35.5	2280	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ripple Current: 85°C, 120Hz