

CD71 BI-POLAR STANDARD



- 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
	Impedance Ratio	Z-25°C/Z+20°C	4	3		2				
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

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0		7.5	
φd	0.5		0.6		0.8		
a	1.0			L<16:1.0 L≥16:2.0			

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	-	-	-	-	-	-	-	-	-	-	5x11	4	-	-	5x11	5	-	-
0.22	-	-	-	-	-	-	-	-	-	-	5x11	7	-	-	5x11	8	-	-
0.33	-	-	-	-	-	-	-	-	-	-	5x11	8	-	-	5x11	9	-	-
0.47	-	-	-	-	-	-	-	-	-	-	5x11	10	-	-	5x11	11	-	-
1	-	-	-	-	-	-	-	-	-	-	5x11	14	-	-	5x11	16	-	-
2.2	-	-	-	-	-	-	-	-	-	-	5x11	21	5x11	23	5x11	24	-	-
3.3	-	-	-	-	-	-	-	-	-	-	5x11	26	5x11	28	6.3x11	34	10x16	49
4.7	-	-	-	-	-	-	5x11	28	5x11	28	5x11	31	5x11	34	6.3x11	41	10x16	59
10	-	-	-	-	5x11	39	5x11	40	5x11	42	5x11	45	6.3x11	57	8x11.5	70	12.5x20	109
22	-	-	5x11	52	5x11	58	5x11	60	6.3x11	71	6.3x11	77	8x11.5	89	10x16	136	12.5x25	177
33	5x11	58	5x11	63	5x11	71	6.3x11	84	6.3x11	87	8x11.5	111	10x12.5	144	10x20	181	16x25	240
47	5x11	69	5x11	75	6.3x11	97	6.3x11	100	8x11.5	122	10x12.5	157	10x16	188	12.5x20	248	16x35.5	329
100	6.3x11	115	6.3x11	126	8x11.5	167	10x12.5	204	10x12.5	212	10x20	273	12.5x20	343	16x25	458	18x35.5	425
220	8x11.5	202	8x11.5	221	10x12.5	294	10x16	332	10x20	375	12.5x25	506	16x25	646	18x35.5	837	-	-
330	8x11.5	247	10x12.5	322	10x16	394	10x20	444	12.5x20	526	12.5x25	620	-	-	-	-	-	-
470	10x12.5	350	10x16	420	10x20	513	12.5x20	607	12.5x25	685	16x25	861	-	-	-	-	-	-
1000	10x20	611	12.5x20	767	12.5x25	935	16x25	1120	16x31.5	1270	-	-	-	-	-	-	-	-
2200	12.5x25	1090	16x25	1380	16x31.5	1660	-	-	-	-	-	-	-	-	-	-	-	-
3300	16x25	1490	16x31.5	1760	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4700	16x31.5	1880	18x35.5	2280	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ripple Current: 85°C, 120Hz