BPA

Aluminum Electrolytic Capacitors

+85°C Non-Polar, Axial Lead

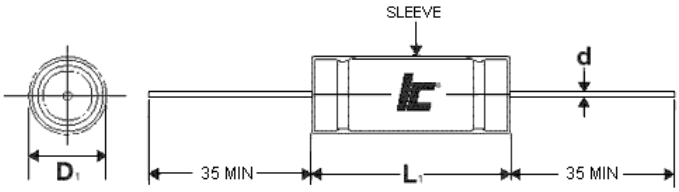


FEATURES	Small size – Non/ Bi-Polar
APPLICATIONS	Audio Coupling – Crossover Networks

Operating Temperature Range		**-40°C to +85°C**				
Capacitance Tolerance		**±20% at 120 Hz, 20°C**				
Surge Voltage	**WVDC**	**16**	**25**	**50**	**100**	
	SVDC	20	32	63	125	
Dissipation Factor	**WVDC**	**16**	**25**	**50**	**100**	
	Tan δ	.22	.2	.14	.1	
Leakage Current		**5 Minutes**				
		.05CV or 3uA, Whichever is greater				
Low Temperature Stability Impedance Ratio (120 Hz)	**WVDC**	**16**	**25**	**50**	**100**	
	-25°C to 20°C	2	2	2	2	
	-40°C to +20°C	6	5	4	3	

Load Life	**2000 hours at 85°C with rated WVDC and rated voltage reversed every 250 hours.**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤200% of maximum specified value
	Leakage Current	≤100% of maximum specified value
Shelf Life	**1000 hours at 85°C with no voltage applied**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤200% of maximum specified value
	Leakage Current	≤100% of maximum specified value

Ripple Current Multipliers	**Capacitance**	**Frequency (Hz)**						**Temperature (°C)**			
	µF	**50**	**120**	**400**	**1k**	**10k**	**50k**	**+85**	**+70**	**+60**	**+30**
	C≤10	.72	1.0	1.25	1.45	1.65	1.7	1.0	1.3	1.5	1.8
	10<C≤100	.75	1.0	1.19	1.36	1.53	1.57	1.0	1.3	1.5	1.8
	100<C≤1000	.79	1.0	1.15	1.3	1.45	1.49	1.0	1.3	1.5	1.8



D	5	6.3	8	10	12.5	16	18	22	25
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	0.8
B	0.5	0.5	0.5	0.5	0.8	0.5	0.5	1.0	1.0

L_1=L+2.0mm Max.
D_1=D+0.5 Max.
mm

ILLINOIS CAPACITOR
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BPA

+85°C, Bi-Polar/ non-polar
2000 hrs

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
0.47	50	474BPA050M	493.832	13	6x16
1	50	105BPA050M	232.101	19	6x16
1	100	105BPA100M	165.786	25	6x16
2.2	50	225BPA050M	105.5	30	6x16
2.2	100	225BPA100M	75.358	36	6x16
3.3	50	335BPA050M	70.334	37	6x16
3.3	100	335BPA100M	50.238	46	6x16
4.7	50	475BPA050M	49.383	46	6x16
4.7	100	475BPA100M	35.274	55	6x16
10	50	106BPA050M	23.21	68	6x16
10	100	106BPA100M	16.579	92	8x19
15	25	156BPA025M	22.105	73	6x16
15	50	156BPA050M	15.47	98	8x16
22	25	226BPA025M	15.072	88	6x16
22	50	226BPA050M	9.38	120	8x16
22	100	226BPA100M	7.538	155	10x19
33	25	336BPA025M	10.048	120	8x16
33	50	336BPA050M	7.033	145	8x19
33	100	336BPA100M	5.024	210	10x24
47	16	476BPA016M	7.76	110	6x16
47	25	476BPA025M	7.055	140	8x16

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
47	50	476BPA050M	4.938	200	10x19
47	100	476BPA100M	3.527	285	12.5x27
68	16	686BPA016M	5.364	155	8x16
68	25	686BPA025M	4.876	204	10x19
68	50	686BPA050M	3.413	260	10x24
100	16	107BPA016M	3.647	175	8x19
100	25	107BPA025M	3.316	235	10x19
100	50	107BPA050M	2.321	325	10x24
100	100	107BPA100M	1.658	500	16x34
150	25	157BPA025M	2.211	320	10x19
220	16	227BPA016M	1.658	290	10x19
220	25	227BPA025M	1.507	390	10x24
220	50	227BPA050M	1.055	600	12.5x31
330	16	337BPA016M	1.105	450	10x24
330	25	337BPA025M	1.005	555	12.5x27
330	50	337BPA050M	0.703	730	16x34
470	16	477BPA016M	0.776	565	10x30
470	25	477BPA025M	0.706	665	12.5x31
470	50	477BPA050M	0.494	860	16x39
1000	16	108BPA016M	0.365	950	12.5x31

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