



## Aluminum Electrolytic Capacitors

+85°C Non-Polar, Axial Lead

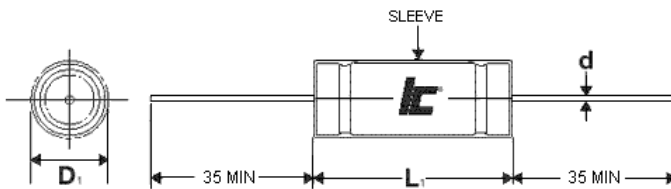
### FEATURES

Small Size – Non/ Bi-Polar

### APPLICATIONS

Audio Coupling – Crossover Networks

Operating Temperature Range		<b>-40°C to +85°C</b>										
Capacitance Tolerance		<b>+20% at 120 Hz, 20°C</b>										
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		<b>5 Minutes</b>										
		.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		<b>2000 hours at 85°C with rated WVDC and rated voltage reversed every 250 hours.</b>										
		Capacitance Change	≤20% of initial measured value									
		Dissipation Factor	≤200% of maximum specified value									
		Leakage Current	≥100% of maximum specified value									
Shelf Life		<b>1000 hours at 85°C with no voltage applied</b>										
		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)				
		uF	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<sub>1</sub>=L+2.0mm Max.  
D<sub>1</sub>=D+0.5 Max.

mm

# 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	<a href="#">474BPA050M</a>	493.832	13	6x16
1	50	<a href="#">105BPA050M</a>	232.101	19	6x16
1	100	<a href="#">105BPA100M</a>	165.786	25	6x16
2.2	50	<a href="#">225BPA050M</a>	105.5	30	6x16
2.2	100	<a href="#">225BPA100M</a>	75.358	36	6x16
3.3	50	<a href="#">335BPA050M</a>	70.334	37	6x16
3.3	100	<a href="#">335BPA100M</a>	50.238	46	6x16
4.7	50	<a href="#">475BPA050M</a>	49.383	46	6x16
4.7	100	<a href="#">475BPA100M</a>	35.274	55	6x16
10	50	<a href="#">106BPA050M</a>	23.21	68	6x16
10	100	<a href="#">106BPA100M</a>	16.579	92	8x19
15	25	<a href="#">156BPA025M</a>	22.105	73	6x16
15	50	<a href="#">156BPA050M</a>	15.47	98	8x16
22	25	<a href="#">226BPA025M</a>	15.072	88	6x16
22	50	<a href="#">226BPA050M</a>	9.38	120	8x16
22	100	<a href="#">226BPA100M</a>	7.538	155	10x19
33	25	<a href="#">336BPA025M</a>	10.048	120	8x16
33	50	<a href="#">336BPA050M</a>	7.033	145	8x19
33	100	<a href="#">336BPA100M</a>	5.024	210	10x24
47	16	<a href="#">476BPA016M</a>	7.76	110	6x16
47	25	<a href="#">476BPA025M</a>	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	<a href="#">476BPA050M</a>	4.938	200	10x19
47	100	<a href="#">476BPA100M</a>	3.527	285	12.5x27
68	16	<a href="#">686BPA016M</a>	5.364	155	8x16
68	25	<a href="#">686BPA025M</a>	4.876	204	10x19
68	50	<a href="#">686BPA050M</a>	3.413	260	10x24
100	16	<a href="#">107BPA016M</a>	3.647	175	8x19
100	25	<a href="#">107BPA025M</a>	3.316	235	10x19
100	50	<a href="#">107BPA050M</a>	2.321	325	10x24
100	100	<a href="#">107BPA100M</a>	1.658	500	16x34
150	25	<a href="#">157BPA025M</a>	2.211	320	10x19
220	16	<a href="#">227BPA016M</a>	1.658	290	10x19
220	25	<a href="#">227BPA025M</a>	1.507	390	10x24
220	50	<a href="#">227BPA050M</a>	1.055	600	12.5x31
330	16	<a href="#">337BPA016M</a>	1.105	450	10x24
330	25	<a href="#">337BPA025M</a>	1.005	555	12.5x27
330	50	<a href="#">337BPA050M</a>	0.703	730	16x34
470	16	<a href="#">477BPA016M</a>	0.776	565	10x30
470	25	<a href="#">477BPA025M</a>	0.706	665	12.5x31
470	50	<a href="#">477BPA050M</a>	0.494	860	16x39
1000	16	<a href="#">108BPA016M</a>	0.365	950	12.5x31