



## Aluminum Electrolytic Capacitors

+85°C Non-Polar, Radial Lead

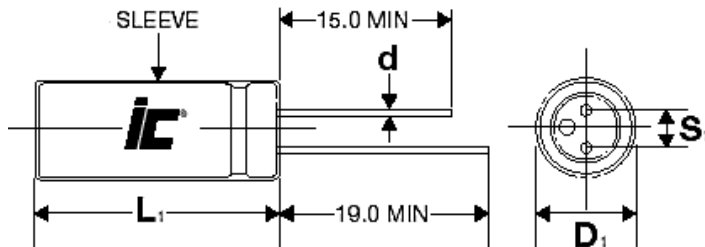
### FEATURES

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	10	16	25	35	50	63	100			
	SVDC	13	20	32	44	63	79	125			
Dissipation Factor	WVDC	10	16	25	35	50	63	100			
	Tan δ	.24	.22	.2	.16	.14	.12	.1			
Leakage Current		5 Minutes .05CV or 3uA, Whichever is greater									
Low temperature Stability Impedance Ratio (120 Hz)	WVDC	10	16	25	35	50	63	100			
	-25°C to 20°C	3	2	2	2	2	2	2			
	-40°C to +20°C	8	6	5	4	4	3	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)			
	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
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8
B	0.5	0.5	0.5	0.5	0.8	0.5	0.5
S	2.0	2.5	3.5	5.0	5.0	7.5	7.5

L<sub>1</sub>=L+2.0mm Max.  
D<sub>1</sub>=D+0.5 Max.  
S<sub>1</sub>=S±0.5  
mm

# BPS

+85°C, Bi-Polar, 2000 hours

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)
1	50	<a href="#">105BPS050M</a>	232.101	17	5x11
1	100	<a href="#">105BPS100M</a>	215.522	21	5x11
2.2	50	<a href="#">225BPS050M</a>	105.5	25	5x11
2.2	100	<a href="#">225BPS100M</a>	75.357	36	6.3x11
3.3	50	<a href="#">335BPS050M</a>	70.334	27	5x11
3.3	100	<a href="#">335BPS100M</a>	65.31	39	6.3x11
4.7	50	<a href="#">475BPS050M</a>	49.383	34	5x11
4.7	63	<a href="#">475BPS063M</a>	45.856	34	5x11
4.7	100	<a href="#">475BPS100M</a>	45.856	47	6.3x11
10	35	<a href="#">106BPS035M</a>	24.868	43	5x11
10	50	<a href="#">106BPS050M</a>	23.21	52	6.3x11
10	63	<a href="#">106BPS063M</a>	21.552	57	6.3x11
10	100	<a href="#">106BPS100M</a>	21.552	71	8x11.5
22	16	<a href="#">226BPS016M</a>	16.579	60	5x11
22	35	<a href="#">226BPS035M</a>	11.304	75	6.3x11
22	50	<a href="#">226BPS050M</a>	10.55	89	8x11.5
22	63	<a href="#">226BPS063M</a>	9.796	95	8x11.5
22	100	<a href="#">226BPS100M</a>	9.796	135	10x16
33	16	<a href="#">336BPS016M</a>	11.052	64	5x11
33	25	<a href="#">336BPS025M</a>	10.048	80	6.3x11
33	50	<a href="#">336BPS050M</a>	7.033	105	8x11.5
33	63	<a href="#">336BPS063M</a>	6.531	135	10x12.5
33	100	<a href="#">336BPS100M</a>	6.531	220	12.5x20
47	10	<a href="#">476BPS010M</a>	8.466	76	5x11
47	25	<a href="#">476BPS025M</a>	7.055	95	6.3x11
47	35	<a href="#">476BPS035M</a>	5.291	120	8x11.5
47	50	<a href="#">476BPS050M</a>	4.938	150	10x12.5
47	63	<a href="#">476BPS063M</a>	4.586	180	10x16
47	100	<a href="#">476BPS100M</a>	4.586	240	12.5x20
100	10	<a href="#">107BPS010M</a>	3.979	125	6.3x11
100	25	<a href="#">107BPS025M</a>	3.316	160	8x11.5
100	35	<a href="#">107BPS035M</a>	2.487	230	10x16
100	50	<a href="#">107BPS050M</a>	2.321	265	10x20
100	63	<a href="#">107BPS063M</a>	2.155	320	12.5x20

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)
100	100	<a href="#">107BPS100M</a>	2.155	425	16x25
220	10	<a href="#">227BPS010M</a>	1.809	215	8x11.5
220	16	<a href="#">227BPS016M</a>	1.658	275	10x12.5
220	25	<a href="#">227BPS025M</a>	1.507	305	10x16
220	35	<a href="#">227BPS035M</a>	1.13	410	12.5x20
220	50	<a href="#">227BPS050M</a>	1.055	480	12.5x25
220	63	<a href="#">227BPS063M</a>	0.98	575	16x25
220	100	<a href="#">227BPS100M</a>	0.98	720	18x35.5
330	6.3	<a href="#">337BPS6R3M</a>	1.407	265	8x11
330	16	<a href="#">337BPS016M</a>	1.105	375	10x16
330	35	<a href="#">337BPS035M</a>	0.754	505	12.5x20
330	50	<a href="#">337BPS050M</a>	0.7033	650	16x25
330	63	<a href="#">337BPS063M</a>	0.653	655	16x31.5
330	100	<a href="#">337BPS100M</a>	0.653	720	18x35.5
470	6.3	<a href="#">477BPS6R3M</a>	0.988	370	10x12.5
470	10	<a href="#">477BPS010M</a>	0.847	410	10x16
470	16	<a href="#">477BPS016M</a>	0.776	485	10x20
470	25	<a href="#">477BPS025M</a>	0.705	540	12.5x20
470	35	<a href="#">477BPS035M</a>	0.529	655	12.5x25
470	50	<a href="#">477BPS050M</a>	0.494	835	16x31.5
470	63	<a href="#">477BPS063M</a>	0.459	965	18x35.5
470	100	<a href="#">477BPS100M</a>	0.459	1030	18x42
1000	6.3	<a href="#">108BPS6R3M</a>	0.464	650	10x20
1000	10	<a href="#">108BPS010M</a>	0.398	720	12.5x20
1000	16	<a href="#">108BPS016M</a>	0.365	855	12.5x25
1000	25	<a href="#">108BPS025M</a>	0.332	950	16x25
1000	35	<a href="#">108BPS035M</a>	0.249	1140	16x31.5
2200	6.3	<a href="#">228BPS6R3M</a>	0.211	1160	13x25
2200	10	<a href="#">228BPS010M</a>	0.211	1280	16x25
2200	16	<a href="#">228BPS016M</a>	0.196	1510	16x31.5
2200	25	<a href="#">228BPS025M</a>	0.181	1620	18x35.5
3300	10	<a href="#">338BPS010M</a>	0.151	1690	16x31.5
3300	16	<a href="#">338BPS016M</a>	0.141	1980	18x35.5
4700	10	<a href="#">478BPS010M</a>	0.113	2160	18x35.5