



## Aluminum Electrolytic Capacitors

+85°C Non-Polar, Radial Lead

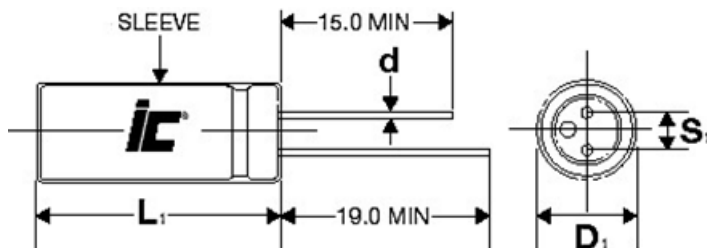
### FEATURES

Small Size – Non/ Bi- Polar

### APPLICATIONS

Audio Coupling – Crossover Networks

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>										
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>										
<b>Surge Voltage</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>				
	<b>SVDC</b>	13	20	32	44	63	79	125				
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>				
	<b>Tan δ</b>	.24	.22	.2	.16	.14	.12	.1				
<b>Leakage Current</b>		<b>5 Minutes</b> .05CV or 3uA, Whichever is greater										
<b>Low temperature Stability Impedance Ratio (120 Hz)</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>				
	<b>-25°C to 20°C</b>	3	2	2	2	2	2	2				
	<b>-40°C to +20°C</b>	8	6	5	4	4	3	3				
<b>Load Life</b>		<b>2000 hours at 85°C with rated WVDC and rated voltage reversed every 250 hours.</b> <b>Capacitance Change</b> ≤20% of initial measured value <b>Dissipation Factor</b> ≤200% of maximum specified value <b>Leakage Current</b> ≥100% of maximum specified value										
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b> <b>Capacitance Change</b> ≤20% of initial measured value <b>Dissipation Factor</b> ≤200% of maximum specified value <b>Leakage Current</b> ≥100% of maximum specified value										
<b>Ripple Current Multipliers</b>		<b>Capacitance</b>		<b>Frequency (Hz)</b>				<b>Temperature (°C)</b>				
		<b>uF</b>	<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>50k</b>	<b>+85</b>	<b>+70</b>	<b>+60</b>	<b>+30</b>
		<b>C≤10</b>	.72	1.0	1.25	1.45	1.65	1.7	1.0	1.3	1.5	1.8
		<b>10&lt;C≤100</b>	.75	1.0	1.19	1.36	1.53	1.57	1.0	1.3	1.5	1.8
		<b>100&lt;C≤1000</b>	.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
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

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
6.3	330	<a href="#">337BPS6R3M</a>	1.407	265	8x11
6.3	470	<a href="#">477BPS6R3M</a>	0.988	370	10x12.5
6.3	1000	<a href="#">108BPS6R3M</a>	0.464	650	10x20
6.3	2200	<a href="#">228BPS6R3M</a>	0.211	1160	12.5x25
10	47	<a href="#">476BPS010M</a>	8.466	76	5x11
10	100	<a href="#">107BPS010M</a>	3.979	125	6.3x11
10	220	<a href="#">227BPS010M</a>	1.809	215	8x11.5
10	470	<a href="#">477BPS010M</a>	0.847	410	10x16
10	1000	<a href="#">108BPS010M</a>	0.398	720	12.5x20
10	2200	<a href="#">228BPS010M</a>	0.211	1280	16x25
10	3300	<a href="#">338BPS010M</a>	0.151	1690	16x31.5
10	4700	<a href="#">478BPS010M</a>	0.113	2160	18x35.5
16	22	<a href="#">226BPS016M</a>	16.579	60	5x11
16	33	<a href="#">336BPS016M</a>	11.052	64	5x11
16	220	<a href="#">227BPS016M</a>	1.658	275	10x12.5
16	330	<a href="#">337BPS016M</a>	1.105	375	10x16
16	470	<a href="#">477BPS016M</a>	0.776	485	10x20
16	1000	<a href="#">108BPS016M</a>	0.365	855	12.5x25
16	2200	<a href="#">228BPS016M</a>	0.196	1510	16x31.5
16	3300	<a href="#">338BPS016M</a>	0.141	1980	18x35.5
25	33	<a href="#">336BPS025M</a>	10.048	80	6.3x11
25	47	<a href="#">476BPS025M</a>	7.055	95	6.3x11
25	100	<a href="#">107BPS025M</a>	3.316	160	8x11.5
25	220	<a href="#">227BPS025M</a>	1.507	305	10x16
25	470	<a href="#">477BPS025M</a>	0.705	540	12.5x20
25	1000	<a href="#">108BPS025M</a>	0.332	950	16x25
25	2200	<a href="#">228BPS025M</a>	0.181	1620	18x35.5
35	10	<a href="#">106BPS035M</a>	24.868	43	5x11
35	22	<a href="#">226BPS035M</a>	11.304	75	6.3x11
35	47	<a href="#">476BPS035M</a>	5.291	120	8x11.5
35	100	<a href="#">107BPS035M</a>	2.487	230	10x16
35	220	<a href="#">227BPS035M</a>	1.13	410	12.5x20
35	330	<a href="#">337BPS035M</a>	0.754	505	12.5x20
35	470	<a href="#">477BPS035M</a>	0.529	655	12.5x25

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
35	1000	<a href="#">108BPS035M</a>	0.249	1140	16x31.5
50	1	<a href="#">105BPS050M</a>	232.101	17	5x11
50	2.2	<a href="#">225BPS050M</a>	105.5	25	5x11
50	3.3	<a href="#">335BPS050M</a>	70.334	27	5x11
50	4.7	<a href="#">475BPS050M</a>	49.383	34	5x11
50	10	<a href="#">106BPS050M</a>	23.21	52	6.3x11
50	22	<a href="#">226BPS050M</a>	10.55	89	8x11.5
50	33	<a href="#">336BPS050M</a>	7.033	105	8x11.5
50	47	<a href="#">476BPS050M</a>	4.938	150	10x12.5
50	100	<a href="#">107BPS050M</a>	2.321	265	10x20
50	220	<a href="#">227BPS050M</a>	1.055	480	12.5x25
50	330	<a href="#">337BPS050M</a>	0.7033	650	16x25
50	470	<a href="#">477BPS050M</a>	0.494	835	16x31.5
63	4.7	<a href="#">475BPS063M</a>	45.856	34	5x11
63	10	<a href="#">106BPS063M</a>	21.552	57	6.3x11
63	22	<a href="#">226BPS063M</a>	9.796	95	8x11.5
63	33	<a href="#">336BPS063M</a>	6.531	135	10x12.5
63	47	<a href="#">476BPS063M</a>	4.586	180	10x16
63	100	<a href="#">107BPS063M</a>	2.155	320	12.5x20
63	220	<a href="#">227BPS063M</a>	0.98	575	16x25
63	330	<a href="#">337BPS063M</a>	0.653	655	16x31.5
63	470	<a href="#">477BPS063M</a>	0.459	965	18x35.5
100	1	<a href="#">105BPS100M</a>	215.522	21	5x11
100	2.2	<a href="#">225BPS100M</a>	75.357	36	6.3x11
100	3.3	<a href="#">335BPS100M</a>	65.31	39	6.3x11
100	4.7	<a href="#">475BPS100M</a>	45.856	47	6.3x11
100	10	<a href="#">106BPS100M</a>	21.552	71	8x11.5
100	22	<a href="#">226BPS100M</a>	9.796	135	10x16
100	33	<a href="#">336BPS100M</a>	6.531	220	12.5x20
100	47	<a href="#">476BPS100M</a>	4.586	240	12.5x20
100	100	<a href="#">107BPS100M</a>	2.155	425	16x25
100	220	<a href="#">227BPS100M</a>	0.98	720	18x35.5
100	330	<a href="#">337BPS100M</a>	0.653	720	18x35.5
100	470	<a href="#">477BPS100M</a>	0.459	1030	18x42