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BPS

Aluminum Electrolytic Capacitors

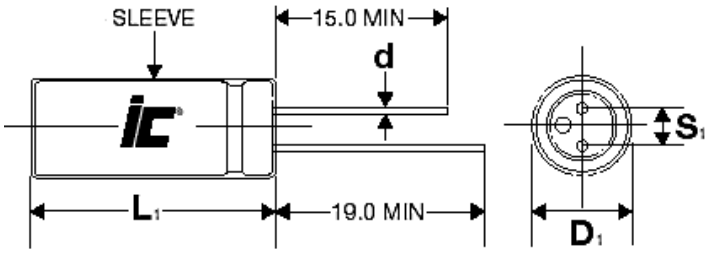
+85°C Non-Polar, Radial Lead

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_1=L+2.0mm Max. mm
D_1=D+0.5 Max.
S_1=S+/-0.5

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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	105BPS050M	232.101	17	5x11
1	100	105BPS100M	215.522	21	5x11
2.2	50	225BPS050M	105.5	25	5x11
2.2	100	225BPS100M	75.357	36	6.3x11
3.3	50	335BPS050M	70.334	27	5x11
3.3	100	335BPS100M	65.31	39	6.3x11
4.7	50	475BPS050M	49.383	34	5x11
4.7	63	475BPS063M	45.856	34	5x11
4.7	100	475BPS100M	45.856	47	6.3x11
10	35	106BPS035M	24.868	43	5x11
10	50	106BPS050M	23.21	52	6.3x11
10	63	106BPS063M	21.552	57	6.3x11
10	100	106BPS100M	21.552	71	8x11.5
22	16	226BPS016M	16.579	60	5x11
22	35	226BPS035M	11.304	75	6.3x11
22	50	226BPS050M	10.55	89	8x11.5
22	63	226BPS063M	9.796	95	8x11.5
22	100	226BPS100M	9.796	135	10x16
33	16	336BPS016M	11.052	64	5x11
33	25	336BPS025M	10.048	80	6.3x11
33	50	336BPS050M	7.033	105	8x11.5
33	63	336BPS063M	6.531	135	10x12.5
33	100	336BPS100M	6.531	220	12.5x20
47	10	476BPS010M	8.466	76	5x11
47	25	476BPS025M	7.055	95	6.3x11
47	35	476BPS035M	5.291	120	8x11.5
47	50	476BPS050M	4.938	150	10x12.5
47	63	476BPS063M	4.586	180	10x16
47	100	476BPS100M	4.586	240	12.5x20
100	10	107BPS010M	3.979	125	6.3x11
100	25	107BPS025M	3.316	160	8x11.5
100	35	107BPS035M	2.487	230	10x16
100	50	107BPS050M	2.321	265	10x20
100	63	107BPS063M	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	107BPS100M	2.155	425	16x25
220	10	227BPS010M	1.809	215	8x11.5
220	16	227BPS016M	1.658	275	10x12.5
220	25	227BPS025M	1.507	305	10x16
220	35	227BPS035M	1.13	410	12.5x20
220	50	227BPS050M	1.055	480	12.5x25
220	63	227BPS063M	0.98	575	16x25
220	100	227BPS100M	0.98	720	18x35.5
330	6.3	337BPS6R3M	1.407	265	8x11
330	16	337BPS016M	1.105	375	10x16
330	35	337BPS035M	0.754	505	12.5x20
330	50	337BPS050M	0.7033	650	16x25
330	63	337BPS063M	0.653	655	16x31.5
330	100	337BPS100M	0.653	720	18x35.5
470	6.3	477BPS6R3M	0.988	370	10x12.5
470	10	477BPS010M	0.847	410	10x16
470	16	477BPS016M	0.776	485	10x20
470	25	477BPS025M	0.705	540	12.5x20
470	35	477BPS035M	0.529	655	12.5x25
470	50	477BPS050M	0.494	835	16x31.5
470	63	477BPS063M	0.459	965	18x35.5
470	100	477BPS100M	0.459	1030	18x42
1000	6.3	108BPS6R3M	0.464	650	10x20
1000	10	108BPS010M	0.398	720	12.5x20
1000	16	108BPS016M	0.365	855	12.5x25
1000	25	108BPS025M	0.332	950	16x25
1000	35	108BPS035M	0.249	1140	16x31.5
2200	6.3	228BPS6R3M	0.211	1160	13x25
2200	10	228BPS010M	0.211	1280	16x25
2200	16	228BPS016M	0.196	1510	16x31.5
2200	25	228BPS025M	0.181	1620	18x35.5
3300	10	338BPS010M	0.151	1690	16x31.5
3300	16	338BPS016M	0.141	1980	18x35.5
4700	10	478BPS010M	0.113	2160	18x35.5

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