BPS

Aluminum Electrolytic Capacitors

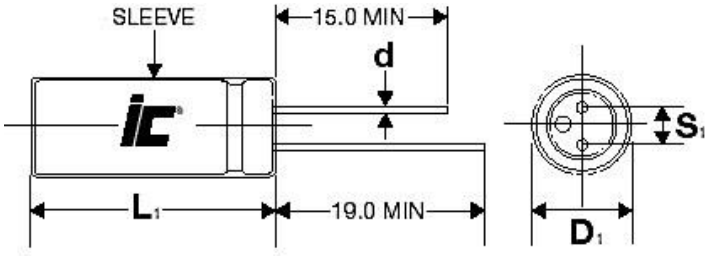
+85°C Non-Polar, Radial Lead

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

mm.

L_1=L+2.0mm Max.
D_1=D+0.5 Max
S_1=S+/-0.5

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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	337BPS6R3M	1.407	265	8x11
6.3	470	477BPS6R3M	0.988	370	10x12.5
6.3	1000	108BPS6R3M	0.464	650	10x20
6.3	2200	228BPS6R3M	0.211	1160	13x25
10	47	476BPS010M	8.466	76	5x11
10	100	107BPS010M	3.979	125	6.3x11
10	220	227BPS010M	1.809	215	8x11.5
10	470	477BPS010M	0.847	410	10x16
10	1000	108BPS010M	0.398	720	12.5x20
10	2200	228BPS010M	0.211	1280	16x25
10	3300	338BPS010M	0.151	1690	16x31.5
10	4700	478BPS010M	0.113	2160	18x35.5
16	22	226BPS016M	16.579	60	5x11
16	33	336BPS016M	11.052	64	5x11
16	220	227BPS016M	1.658	275	10x12.5
16	330	337BPS016M	1.105	375	10x16
16	470	477BPS016M	0.776	485	10x20
16	1000	108BPS016M	0.365	855	12.5x25
16	2200	228BPS016M	0.196	1510	16x31.5
16	3300	338BPS016M	0.141	1980	18x35.5
25	33	336BPS025M	10.048	80	6.3x11
25	47	476BPS025M	7.055	95	6.3x11
25	100	107BPS025M	3.316	160	8x11.5
25	220	227BPS025M	1.507	305	10x16
25	470	477BPS025M	0.705	540	12.5x20
25	1000	108BPS025M	0.332	950	16x25
25	2200	228BPS025M	0.181	1620	18x35.5
35	10	106BPS035M	24.868	43	5x11
35	22	226BPS035M	11.304	75	6.3x11
35	47	476BPS035M	5.291	120	8x11.5
35	100	107BPS035M	2.487	230	10x16
35	220	227BPS035M	1.13	410	12.5x20
35	330	337BPS035M	0.754	505	12.5x20
35	470	477BPS035M	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	108BPS035M	0.249	1140	16x31.5
50	1	105BPS050M	232.101	17	5x11
50	2.2	225BPS050M	105.5	25	5x11
50	3.3	335BPS050M	70.334	27	5x11
50	4.7	475BPS050M	49.383	34	5x11
50	10	106BPS050M	23.21	52	6.3x11
50	22	226BPS050M	10.55	89	8x11.5
50	33	336BPS050M	7.033	105	8x11.5
50	47	476BPS050M	4.938	150	10x12.5
50	100	107BPS050M	2.321	265	10x20
50	220	227BPS050M	1.055	480	12.5x25
50	330	337BPS050M	0.7033	650	16x25
50	470	477BPS050M	0.494	835	16x31.5
63	4.7	475BPS063M	45.856	34	5x11
63	10	106BPS063M	21.552	57	6.3x11
63	22	226BPS063M	9.796	95	8x11.5
63	33	336BPS063M	6.531	135	10x12.5
63	47	476BPS063M	4.586	180	10x16
63	100	107BPS063M	2.155	320	12.5x20
63	220	227BPS063M	0.98	575	16x25
63	330	337BPS063M	0.653	655	16x31.5
63	470	477BPS063M	0.459	965	18x35.5
100	1	105BPS100M	215.522	21	5x11
100	2.2	225BPS100M	75.357	36	6.3x11
100	3.3	335BPS100M	65.31	39	6.3x11
100	4.7	475BPS100M	45.856	47	6.3x11
100	10	106BPS100M	21.552	71	8x11.5
100	22	226BPS100M	9.796	135	10x16
100	33	336BPS100M	6.531	220	12.5x20
100	47	476BPS100M	4.586	240	12.5x20
100	100	107BPS100M	2.155	425	16x25
100	220	227BPS100M	0.98	720	18x35.5
100	330	337BPS100M	0.653	720	18x35.5
100	470	477BPS100M	0.459	1030	18x42

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