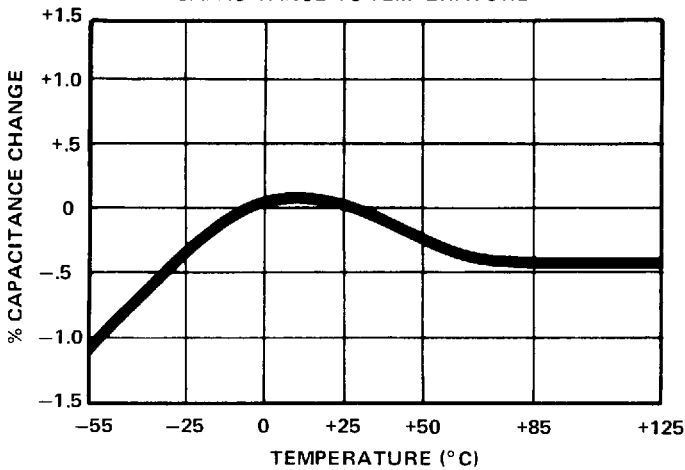


METALIZED POLYCARBONATE

A-05-17-07

TYPICAL CHARACTERISTICS:

CAPACITANCE VS TEMPERATURE



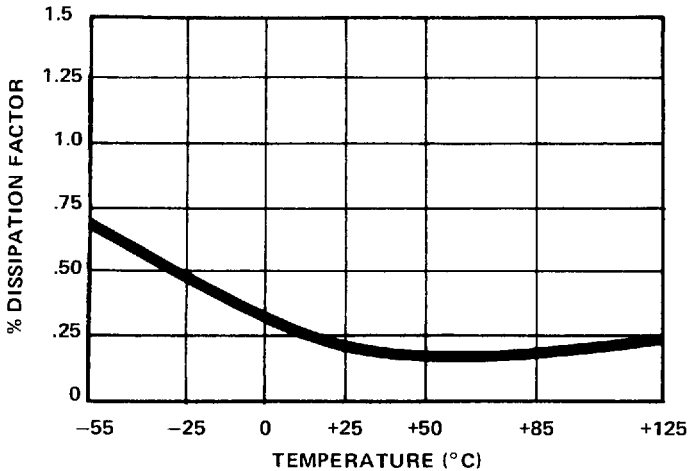
TEMPERATURE:

RATED VOLTAGE FROM -55°C TO +125°C.

DIELECTRIC VOLTAGE TEST:

WILL WITHSTAND THE APPLICATION OF 200% RATED VOLTAGE, AT 25°C, FOR A PERIOD OF TIME NOT TO EXCEED ONE MINUTE. CURRENT LIMITED TO 5 MILLI-AMPERES.

DISSIPATION FACTOR VS TEMPERATURE



DISSIPATION FACTOR:

SHALL NOT EXCEED .3% AT 25°C.

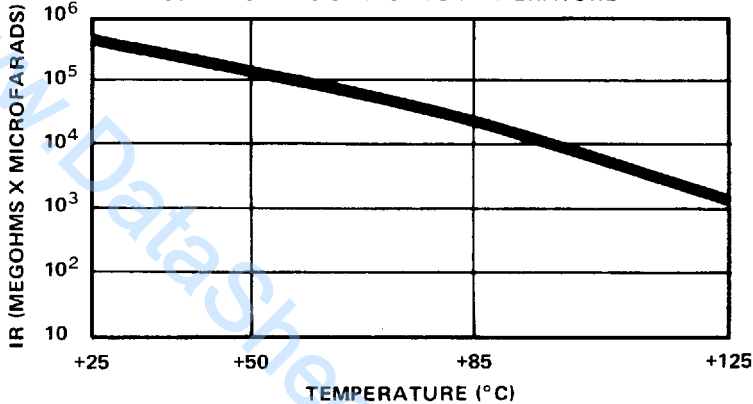
MEASUREMENT CRITERIA:

MEASUREMENT FREQUENCY FOR CAPACITANCE AND DISSIPATION FACTOR SHALL BE 1000 HZ FOR VALUES UNDER 1 MFD; 120 HZ FOR 1 MFD AND OVER.

LIFE TEST:

WILL WITHSTAND THE APPLICATION OF 100% RATED VOLTAGE AT +125°C FOR 250 HRS. WITH NOT MORE THAN ONE FAILURE IN 12 PERMITTED.

INSULATION RESISTANCE VS TEMPERATURE



INSULATION RESISTANCE:

WHEN MEASURED AT RATED VOLTAGE OR 500 VDC, WHICHEVER IS LESS, FOR A TIME NOT EXCEEDING TWO MINUTES, UNITS SHALL MEET THE MINIMUM VALUES BELOW.

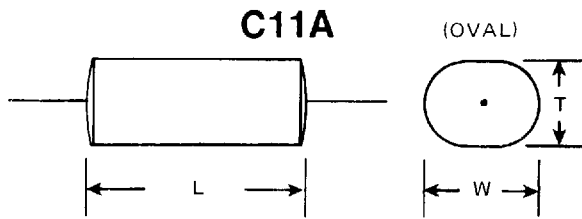
TEMP. (°C)	MEG. X MFDS		MEG. (NEED NOT EXCEED)	
	50 - 100V	200V UP	50 - 100V	200V UP
+25	25,000	50,000	50,000	100,000
+85	2,500	5,000	5,000	10,000
+125	50	100	100	200



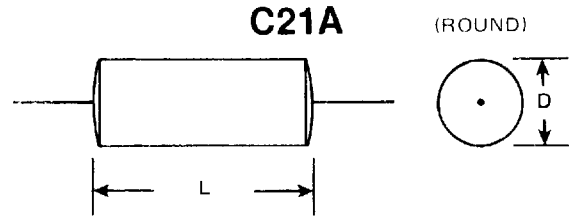
Bishop Electronics Corporation

3729 San Gabriel River Parkway, Pico Rivera, CA 90660
(310) 695-0446 — (310) 692-9391

METALIZED POLYCARBONATE — 50 VDC WRAP & FILL



LEAD LENGTH = 1.5" MIN.



LEAD LENGTH = 1.5" MIN.

MFD	T +.05"	W +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)	MFD	D +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)
.0010	.09	.18	.40	C11A102*	24	.0010	.15	.40	C21A102*	24
.0012	.09	.18	.40	C11A122-	24	.0012	.15	.40	C21A122-	24
.0015	.09	.18	.40	C11A152-	24	.0015	.15	.40	C21A152-	24
.0018	.09	.18	.40	C11A182-	24	.0018	.15	.40	C21A182-	24
.0022	.09	.18	.40	C11A222-	24	.0022	.15	.40	C21A222-	24
.0027	.09	.18	.40	C11A272-	24	.0027	.15	.40	C21A272-	24
.0033	.09	.18	.40	C11A332-	24	.0033	.15	.40	C21A332-	24
.0039	.09	.18	.40	C11A392-	24	.0039	.15	.40	C21A392-	24
.0047	.09	.18	.40	C11A472-	24	.0047	.15	.40	C21A472-	24
.0056	.09	.18	.40	C11A562-	24	.0056	.15	.40	C21A562-	24
.0068	.09	.18	.40	C11A682-	24	.0068	.15	.40	C21A682-	24
.0082	.09	.18	.40	C11A822-	24	.0082	.15	.40	C21A822-	24
.010	.09	.18	.40	C11A103-	24	.010	.15	.40	C21A103-	24
.012	.09	.18	.40	C11A123-	24	.012	.15	.40	C21A123-	24
.015	.09	.18	.40	C11A153-	24	.015	.15	.40	C21A153-	24
.018	.09	.18	.40	C11A183-	24	.018	.15	.40	C21A183-	24
.022	.09	.18	.40	C11A223-	24	.022	.15	.40	C21A223-	24
.027	.09	.18	.40	C11A273-	24	.027	.15	.40	C21A273-	24
.033	.09	.18	.40	C11A333-	24	.033	.15	.40	C21A333-	24
.039	.09	.18	.40	C11A393-	24	.039	.15	.40	C21A393-	24
.047	.09	.18	.40	C11A473-	24	.047	.15	.40	C21A473-	24
.056	.09	.18	.40	C11A563-	24	.056	.15	.40	C21A563-	24
.068	.09	.18	.40	C11A683-	24	.068	.15	.40	C21A683-	24
.082	.09	.18	.40	C11A823-	24	.082	.15	.40	C21A823-	24
.10	.09	.18	.40	C11A104-	24	.10	.15	.40	C21A104-	24
.12	.09	.18	.40	C11A124-	24	.12	.15	.40	C21A124-	24
.15	.10	.20	.40	C11A154-	24	.15	.16	.40	C21A154-	24
.18	.09	.18	.53	C11A184-	24	.18	.15	.53	C21A184-	24
.22	.09	.18	.53	C11A224-	24	.22	.15	.53	C21A224-	24
.27	.10	.19	.53	C11A274-	24	.27	.16	.53	C21A274-	24
.33	.11	.21	.53	C11A334-	24	.33	.18	.53	C21A334-	24
.39	.13	.22	.53	C11A394-	24	.39	.19	.53	C21A394-	24
.47	.14	.24	.53	C11A474-	24	.47	.20	.53	C21A474-	24
.56	.16	.25	.53	C11A564-	24	.56	.22	.53	C21A564-	24
.68	.18	.27	.53	C11A684-	24	.68	.24	.53	C21A684-	24
.82	.20	.29	.53	C11A824-	24	.82	.26	.53	C21A824-	24
1.0	.22	.32	.53	C11A105-	24	1.0	.28	.53	C21A105-	24
1.2	.20	.29	.68	C11A125-	24	1.2	.26	.68	C21A125-	24
1.5	.22	.32	.68	C11A155-	24	1.5	.28	.68	C21A155-	24
1.8	.23	.32	.78	C11A185-	24	1.8	.29	.78	C21A185-	24
2.0	.24	.34	.78	C11A205-	24	2.0	.30	.78	C21A205-	24
3.0	.31	.41	.78	C11A305-	22	3.0	.37	.78	C21A305-	22
4.0	.31	.40	.95	C11A405-	22	4.0	.37	.95	C21A405-	22
5.0	.25	.42	1.17	C11A505-	22	5.0	.36	1.17	C21A505-	22
6.0	.28	.45	1.17	C11A605-	22	6.0	.39	1.17	C21A605-	22
8.0	.34	.50	1.17	C11A805-	22	8.0	.45	1.17	C21A805-	22
10.0	.39	.56	1.17	C11A106-	20	10.0	.50	1.17	C21A106-	20
12.0	.43	.60	1.17	C11A126-	20	12.0	.54	1.17	C21A126-	20
15.0	.49	.66	1.17	C11A156-	20	15.0	.60	1.17	C21A156-	20
18.0	.47	.64	1.45	C11A186-	20	18.0	.58	1.45	C21A186-	20
20.0	.50	.67	1.45	C11A206-	20	20.0	.61	1.45	C21A206-	20

*ADD SUFFIX LETTER TO PART NUMBER FOR CAPACITANCE TOLERANCE DESIRED: ± 20% = None
 ± 10% = K
 ± 5% = J
 ± 3% = H
 ± 2% = G
 ± 1% = F



Bishop Electronics Corporation

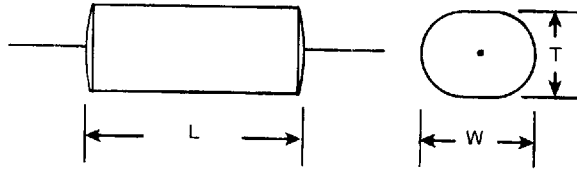
3729 San Gabriel River Parkway, Pico Rivera, CA 90660
 (310) 695-0446 — (310) 692-9391

METALIZED POLYCARBONATE — 100 VDC

WRAP & FILL

C11B

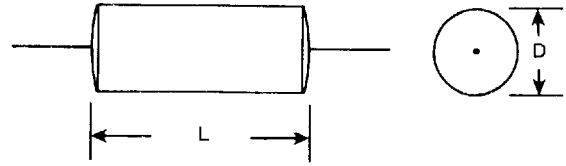
(OVAL)



LEAD LENGTH = 1.5" MIN.

C21B

(ROUND)



LEAD LENGTH = 1.5" MIN.

MFD	T +.05"	W +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)	MFD	D +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)
.0010	.09	.18	.40	C11B102 [±]	24	.0010	.15	.40	C21B102 [±]	24
.0012	.09	.18	.40	C11B122-	24	.0012	.15	.40	C21B122-	24
.0015	.09	.18	.40	C11B152-	24	.0015	.15	.40	C21B152-	24
.0018	.09	.18	.40	C11B182-	24	.0018	.15	.40	C21B182-	24
.0022	.09	.18	.40	C11B222-	24	.0022	.15	.40	C21B222-	24
.0027	.09	.18	.40	C11B272-	24	.0027	.15	.40	C21B272-	24
.0033	.09	.18	.40	C11B332-	24	.0033	.15	.40	C21B332-	24
.0039	.09	.18	.40	C11B392-	24	.0039	.15	.40	C21B392-	24
.0047	.09	.18	.40	C11B472-	24	.0047	.15	.40	C21B472-	24
.0056	.09	.18	.40	C11B562-	24	.0056	.15	.40	C21B562-	24
.0068	.09	.18	.40	C11B682-	24	.0068	.15	.40	C21B682-	24
.0082	.09	.18	.40	C11B822-	24	.0082	.15	.40	C21B822-	24
.010	.09	.18	.40	C11B103-	24	.010	.15	.40	C21B103-	24
.012	.09	.18	.40	C11B123-	24	.012	.15	.40	C21B123-	24
.015	.09	.18	.40	C11B153-	24	.015	.15	.40	C21B153-	24
.018	.09	.18	.40	C11B183-	24	.018	.15	.40	C21B183-	24
.022	.09	.18	.40	C11B223-	24	.022	.15	.40	C21B223-	24
.027	.09	.18	.40	C11B273-	24	.027	.15	.40	C21B273-	24
.033	.09	.18	.40	C11B333-	24	.033	.15	.40	C21B333-	24
.039	.09	.18	.40	C11B393-	24	.039	.15	.40	C21B393-	24
.047	.09	.18	.40	C11B473-	24	.047	.15	.40	C21B473-	24
.056	.10	.19	.40	C11B563-	24	.056	.16	.40	C21B563-	24
.068	.11	.21	.40	C11B683-	24	.068	.18	.40	C21B683-	24
.082	.09	.18	.53	C11B823-	24	.082	.15	.53	C21B823-	24
.10	.10	.19	.53	C11B104-	24	.10	.16	.53	C21B104-	24
.12	.11	.20	.53	C11B124-	24	.12	.17	.53	C21B124-	24
.15	.12	.22	.53	C11B154-	24	.15	.19	.53	C21B154-	24
.18	.14	.23	.53	C11B184-	24	.18	.20	.53	C21B184-	24
.22	.16	.25	.53	C11B224-	24	.22	.22	.53	C21B224-	24
.27	.18	.28	.53	C11B274-	24	.27	.24	.53	C21B274-	24
.33	.20	.30	.53	C11B334-	24	.33	.26	.53	C21B334-	24
.39	.23	.32	.53	C11B394-	24	.39	.29	.53	C21B394-	24
.47	.20	.30	.68	C11B474-	24	.47	.26	.68	C21B474-	24
.56	.23	.32	.68	C11B564-	24	.56	.29	.68	C21B564-	24
.68	.23	.32	.78	C11B684-	24	.68	.29	.78	C21B684-	24
.82	.25	.35	.78	C11B824-	24	.82	.31	.78	C21B824-	24
1.0	.28	.38	.78	C11B105-	24	1.0	.34	.78	C21B105-	24
1.2	.31	.41	.78	C11B125-	22	1.2	.37	.78	C21B125-	22
1.5	.31	.40	.95	C11B155-	22	1.5	.37	.95	C21B155-	22
1.8	.34	.43	.95	C11B185-	22	1.8	.40	.95	C21B185-	22
2.0	.27	.44	1.17	C11B205-	22	2.0	.38	1.17	C21B205-	22
3.0	.35	.51	1.17	C11B305-	20	3.0	.45	1.17	C21B305-	22
4.0	.41	.58	1.17	C11B405-	20	4.0	.52	1.17	C21B405-	20
5.0	.47	.63	1.17	C11B505-	20	5.0	.58	1.17	C21B505-	20
6.0	.52	.68	1.17	C11B605-	20	6.0	.62	1.17	C21B605-	20
8.0	.53	.69	1.45	C11B805-	20	8.0	.63	1.45	C21B805-	20
10.0	.54	.70	1.70	C11B106-	20	10.0	.64	1.70	C21B106-	20
12.0	.54	.70	1.90	C11B126-	20	12.0	.65	1.90	C21B126-	20
15.0	.61	.78	1.90	C11B156-	20	15.0	.72	1.90	C21B156-	20
18.0	.68	.84	1.90	C11B186-	20	18.0	.78	1.90	C21B186-	20
20.0	.72	.88	1.90	C11B206-	20	20.0	.82	1.90	C21B206-	20

*ADD SUFFIX LETTER TO PART NUMBER FOR CAPACITANCE TOLERANCE DESIRED: ± 20% = None
 ± 10% = K
 ± 5% = J
 ± 3% = H
 ± 2% = G
 ± 1% = F



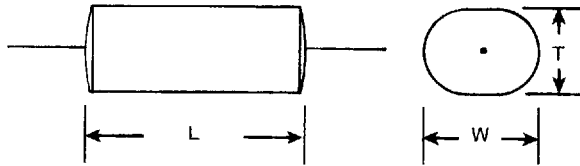
Bishop Electronics Corporation

3729 San Gabriel River Parkway, Pico Rivera, CA 90660
 (310) 695-0446 — (310) 692-9391

METALIZED POLYCARBONATE — 200 VDC WRAP & FILL

C11C

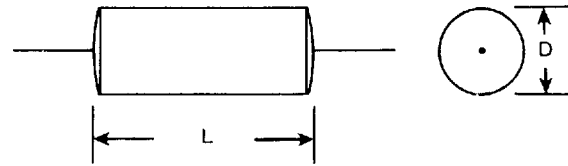
(OVAL)



LEAD LENGTH = 1.5" MIN.

C21C

(ROUND)



LEAD LENGTH - 1.5" MIN.

MFD	T +.05"	W +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)	MFD	D +.05"	L +.05"	CATALOG PART NUMBER	LEAD SIZE (AWG)
.0010	.09	.18	.40	C11C 102±	24	.0010	.15	.40	C21C 102±	24
.0012	.09	.18	.40	C11C 122-	24	.0012	.15	.40	C21C 122-	24
.0015	.09	.18	.40	C11C 152-	24	.0015	.15	.40	C21C 152-	24
.0018	.09	.18	.40	C11C 182-	24	.0018	.15	.40	C21C 182-	24
.0022	.09	.18	.40	C11C 222-	24	.0022	.15	.40	C21C 222-	24
.0027	.09	.18	.40	C11C 272-	24	.0027	.15	.40	C21C 272-	24
.0033	.09	.18	.40	C11C 332-	24	.0033	.15	.40	C21C 332-	24
.0039	.09	.18	.40	C11C 392-	24	.0039	.15	.40	C21C 392-	24
.0047	.09	.18	.40	C11C 472-	24	.0047	.15	.40	C21C 472-	24
.0056	.09	.18	.40	C11C 562-	24	.0056	.15	.40	C21C 562-	24
.0068	.09	.18	.40	C11C 682-	24	.0068	.15	.40	C21C 682-	24
.0082	.09	.18	.40	C11C 822-	24	.0082	.15	.40	C21C 822-	24
.010	.09	.18	.40	C11C 103-	24	.010	.15	.40	C21C 103-	24
.012	.09	.18	.40	C11C 123-	24	.012	.15	.40	C21C 123-	24
.015	.09	.18	.40	C11C 153-	24	.015	.15	.40	C21C 153-	24
.018	.10	.19	.40	C11C 183-	24	.018	.16	.40	C21C 183-	24
.022	.11	.20	.40	C11C 223-	24	.022	.17	.40	C21C 223-	24
.027	.09	.18	.53	C11C 273-	24	.027	.15	.53	C21C 273-	24
.033	.09	.18	.53	C11C 333-	24	.033	.15	.53	C21C 333-	24
.039	.10	.20	.53	C11C 393-	24	.039	.16	.53	C21C 393-	24
.047	.11	.21	.53	C11C 473-	24	.047	.17	.53	C21C 473-	24
.056	.13	.22	.53	C11C 563-	24	.056	.19	.53	C21C 563-	24
.068	.15	.24	.53	C11C 683-	24	.068	.21	.53	C21C 683-	24
.082	.16	.26	.53	C11C 823-	24	.082	.22	.53	C21C 823-	24
.10	.18	.28	.53	C11C 104-	24	.10	.24	.53	C21C 104-	24
.12	.21	.30	.53	C11C 124-	24	.12	.27	.53	C21C 124-	24
.15	.23	.33	.53	C11C 154-	24	.15	.29	.53	C21C 154-	24
.18	.21	.30	.68	C11C 184-	24	.18	.27	.68	C21C 184-	24
.22	.23	.33	.68	C11C 224-	24	.22	.29	.68	C21C 224-	24
.27	.24	.33	.78	C11C 274-	24	.27	.30	.78	C21C 274-	24
.33	.27	.36	.78	C11C 334-	24	.33	.33	.78	C21C 334-	24
.39	.30	.40	.78	C11C 394-	22	.39	.36	.78	C21C 394-	22
.47	.33	.43	.78	C11C 474-	22	.47	.39	.78	C21C 474-	22
.56	.32	.41	.95	C11C 564-	22	.56	.38	.95	C21C 564-	22
.68	.25	.42	1.17	C11C 684-	22	.68	.36	1.17	C21C 684-	22
.82	.28	.45	1.17	C11C 824-	22	.82	.39	1.17	C21C 824-	22
1.0	.32	.49	1.17	C11C 105-	22	1.0	.43	1.17	C21C 105-	22
1.2	.36	.52	1.17	C11C 125-	20	1.2	.46	1.17	C21C 125-	22
1.5	.41	.58	1.17	C11C 155-	20	1.5	.52	1.17	C21C 155-	20
1.8	.46	.62	1.17	C11C 185-	20	1.8	.56	1.17	C21C 185-	20
2.0	.49	.65	1.17	C11C 205-	20	2.0	.59	1.17	C21C 205-	20
3.0	.47	.63	1.70	C11C 305-	20	3.0	.57	1.70	C21C 305-	20
4.0	.50	.66	1.90	C11C 405-	20	4.0	.60	1.90	C21C 405-	20
5.0	.57	.73	1.90	C11C 505-	20	5.0	.67	1.90	C21C 505-	20
6.0	.63	.79	1.90	C11C 605-	20	6.0	.73	1.90	C21C 605-	20
8.0	.74	.90	1.90	C11C 805-	20	8.0	.85	1.90	C21C 805-	20
10.0	.84	1.00	1.90	C11C 106-	20	10.0	.94	1.90	C21C 106-	20

*ADD SUFFIX LETTER TO PART NUMBER FOR CAPACITANCE TOLERANCE DESIRED: ± 20% = None
 ± 10% = K
 ± 5% = J
 ± 3% = H
 ± 2% = G
 ± 1% = F



Bishop Electronics Corporation

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