

The unique high performance and long life characteristics of polyester account for the varied applications of this miniature capacitor series. A wide range of sizes and configurations are available. You can choose from axial-lead wrap and fill, oval and round shapes and rectangular epoxy case with axial and radial leads.

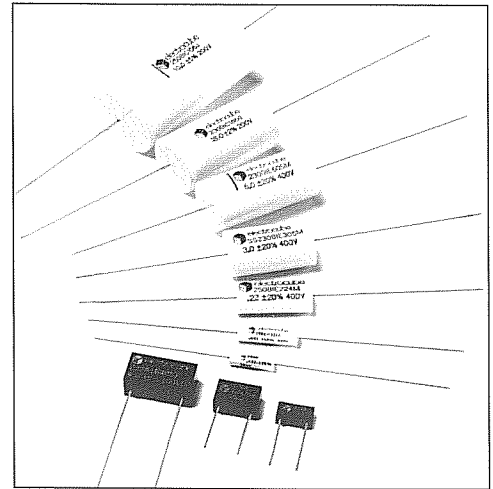
These capacitors feature extended foil construction and standard tin-coated copper-clad steel leads. Nickel, copper, dumet and other special

leads are available.

Protective clear wrap is offered on all wrap and fill units. Please add .010" to maximum T and W dimension for protective clear wrap.

The potting material and endfills of Electrocube's capacitors meet or exceed the flammability requirements of UL94V0.

Dimensional variations for all MFD values are available with the same volume to meet your design requirements.



SPECIFICATIONS

Temperature: -55°C to +85°C at rated voltage; to +125°C with 50% voltage derating.

Dielectric Strength: Will withstand 150% at rated voltage and 25°C for a period not to exceed 1 minute; current limited to 5 mA.

Life Test: Will withstand rated voltage for 250 hrs. at +125°C with not more than 1 failure in 12 permitted.

Dissipation Factor: Shall not exceed 1.0% at 25°C.

Dielectric Absorption: Shall not exceed 0.5% at 25°C per MIL-C-19978.

Acceptance Criteria: Measurement frequency for capacitance and dissipation factor shall be 1000 Hz for values up to 1 mfd and 120 Hz for values of 1.0 mfd and up.

Insulation Resistance: At rated voltage or 500V, whichever is less, units shall meet the minimum values below:

Temp. (°C)	MEG × MFDS		MEG (NEED NOT EXCEED)	
	35V 100V	200V - up	35V 100V	200V - up
25	20,000	40,000	40,000	80,000
85	2,000	4,000	4,000	8,000
125	40	80	80	160

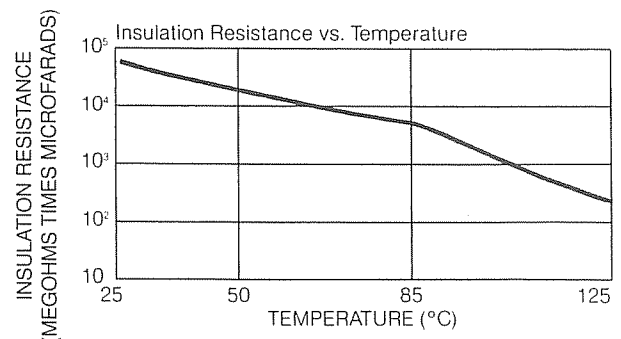
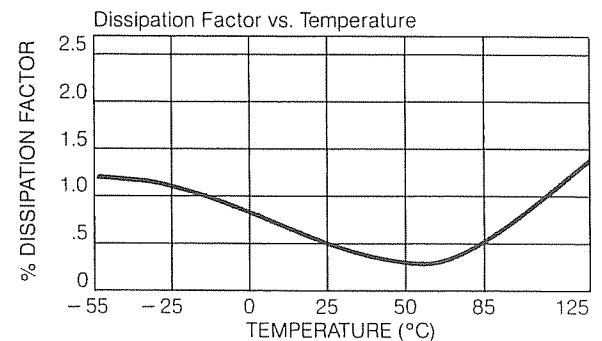
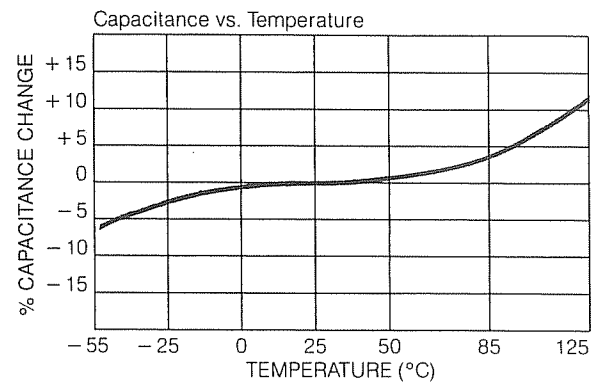
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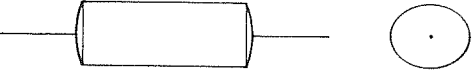



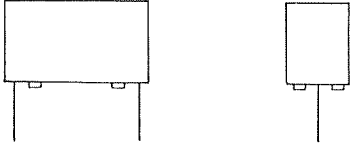
For information regarding insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware, please consult factory.

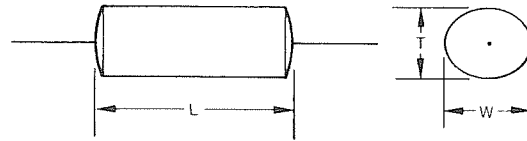
For styles and ratings not shown, or for unusual requirements necessitated by special circuit applications (including higher IR or lower DF), consult the factory direct.

All Electrocube film capacitors have endfills and tape that meet or exceed the flammability requirements of UL94V0.

TYPICAL DIELECTRIC CHARACTERISTIC CURVES



SERIES NO.	DESCRIPTION
230B	FLAME RETARDANT WRAP AND FILL, OVAL 
230C	FLAME RETARDANT WRAP AND FILL, FLAT 
230D	FLAME RETARDANT WRAP AND FILL, ROUND 
231A	FLAME RETARDANT EPOXY CASE, RECTANGULAR AXIAL LEADS 
232A	FLAME RETARDANT EPOXY CASE, RECTANGULAR RADIAL LEADS 

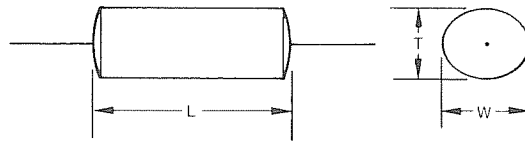

**WRAP AND FILL
OVAL CONFIGURATION**

 For max. T, W and L dimensions, allow $+.050''$.

 LEAD LENGTH: $2.0'' \pm .50''$

MFD	35 VOLT DC					100 VOLT DC					200 VOLT DC				
	PART NO.	DIMENSIONS			LEAD SIZE (AWG)	PART NO.	DIMENSIONS			LEAD SIZE (AWG)	PART NO.	DIMENSIONS			LEAD SIZE (AWG)
		T	W	L			T	W	L			T	W	L	
.0010	230B1Z102*	.09	.18	.40	26	230B1B102*	.09	.18	.40	26	230B1C102*	.09	.18	.40	26
.0012	230B1Z122*	.09	.18	.40	26	230B1B122*	.09	.18	.40	26	230B1C122*	.09	.18	.40	26
.0015	230B1Z152*	.09	.18	.40	26	230B1B152*	.09	.18	.40	26	230B1C152*	.09	.18	.40	26
.0018	230B1Z182*	.09	.18	.40	26	230B1B182*	.09	.18	.40	26	230B1C182*	.09	.18	.40	26
.0022	230B1Z222*	.09	.18	.40	26	230B1B222*	.09	.18	.40	26	230B1C222*	.09	.18	.40	26
.0027	230B1Z272*	.09	.18	.40	26	230B1B272*	.09	.18	.40	26	230B1C272*	.09	.18	.40	26
.0033	230B1Z332*	.09	.18	.40	26	230B1B332*	.09	.18	.40	26	230B1C332*	.09	.18	.40	26
.0039	230B1Z392*	.09	.18	.40	26	230B1B392*	.09	.18	.40	26	230B1C392*	.09	.18	.40	26
.0047	230B1Z472*	.09	.18	.40	26	230B1B472*	.09	.18	.40	26	230B1C472*	.09	.18	.40	26
.0056	230B1Z562*	.09	.18	.40	26	230B1B562*	.09	.18	.40	26	230B1C562*	.09	.18	.40	26
.0068	230B1Z682*	.09	.18	.40	26	230B1B682*	.09	.18	.40	26	230B1C682*	.09	.18	.40	26
.0082	230B1Z822*	.09	.18	.40	26	230B1B822*	.09	.18	.40	26	230B1C822*	.09	.18	.40	26
.010	230B1Z103*	.09	.18	.40	26	230B1B103*	.09	.18	.40	26	230B1C103*	.09	.18	.40	26
.012	230B1Z123*	.09	.18	.40	26	230B1B123*	.09	.18	.40	26	230B1C123*	.09	.18	.40	26
.015	230B1Z153*	.09	.18	.40	26	230B1B153*	.09	.18	.40	26	230B1C153*	.09	.18	.40	26
.018	230B1Z183*	.09	.18	.40	26	230B1B183*	.09	.18	.40	26	230B1C183*	.10	.20	.40	26
.022	230B1Z223*	.09	.18	.40	26	230B1B223*	.09	.18	.40	26	230B1C223*	.09	.18	.53	26
.027	230B1Z273*	.09	.18	.40	26	230B1B273*	.09	.18	.40	26	230B1C273*	.09	.18	.53	26
.033	230B1Z333*	.09	.18	.40	26	230B1B333*	.09	.18	.40	26	230B1C333*	.09	.18	.53	26
.039	230B1Z393*	.09	.18	.40	26	230B1B393*	.09	.18	.40	26	230B1C393*	.09	.18	.53	26
.047	230B1Z473*	.09	.18	.40	26	230B1B473*	.09	.18	.40	26	230B1C473*	.09	.18	.53	26
.056	230B1Z563*	.09	.18	.40	26	230B1B563*	.09	.18	.40	26	230B1C563*	.11	.20	.53	26
.068	230B1Z683*	.09	.18	.40	26	230B1B683*	.10	.19	.40	26	230B1C683*	.12	.22	.53	24
.082	230B1Z823*	.09	.18	.40	26	230B1B823*	.11	.20	.40	26	230B1C823*	.14	.23	.53	24
.10	230B1Z104*	.09	.18	.40	26	230B1B104*	.09	.18	.53	26	230B1C104*	.16	.25	.53	24
.12	230B1Z124*	.09	.18	.40	26	230B1B124*	.09	.18	.53	26	230B1C124*	.17	.27	.53	24
.15	230B1Z154*	.09	.18	.40	26	230B1B154*	.09	.18	.53	26	230B1C154*	.20	.29	.53	24
.18	230B1Z184*	.10	.20	.40	26	230B1B184*	.09	.18	.53	26	230B1C184*	.22	.32	.53	24
.22	230B1Z224*	.11	.22	.40	26	230B1B224*	.10	.20	.53	26	230B1C224*	.18	.28	.65	24
.27	230B1Z274*	.13	.22	.40	26	230B1B274*	.12	.22	.53	24	230B1C274*	.20	.29	.65	24
.33	230B1Z334*	.15	.24	.40	26	230B1B334*	.14	.23	.53	24	230B1C334*	.24	.33	.65	24
.39	230B1Z394*	.16	.25	.40	26	230B1B394*	.15	.25	.53	24	230B1C394*	.21	.30	.78	24
.47	230B1Z474*	.18	.28	.40	26	230B1B474*	.17	.27	.53	24	230B1C474*	.24	.33	.78	24
.56	230B1Z564*	.12	.22	.53	26	230B1B564*	.19	.28	.53	24	230B1C564*	.26	.36	.78	24
.68	230B1Z684*	.13	.23	.53	24	230B1B684*	.22	.31	.53	24	230B1C684*	.29	.39	.78	24
.82	230B1Z824*	.15	.24	.53	24	230B1B824*	.18	.27	.65	24	230B1C824*	.33	.42	.78	22
1.0	230B1Z105*	.17	.26	.53	24	230B1B105*	.20	.29	.65	24	230B1C105*	.32	.41	.90	22
1.2	230B1Z125*	.19	.28	.53	24	230B1B125*	.22	.32	.65	24	230B1C125*	.25	.42	1.15	22
1.5	230B1Z155*	.22	.31	.53	24	230B1B155*	.21	.30	.78	24	230B1C155*	.29	.45	1.15	22
1.8	230B1Z185*	.25	.34	.53	24	230B1B185*	.24	.36	.78	24	230B1C185*	.32	.49	1.15	22
2.0	230B1Z205*	.26	.35	.53	24	230B1B205*	.28	.37	.78	24	230B1C205*	.38	.52	1.15	20
3.0	230B1Z305*	.25	.35	.65	24	230B1B305*	.34	.44	.78	22	230B1C305*	.44	.61	1.15	20
4.0	230B1Z405*	.25	.35	.78	24	230B1B405*	.32	.46	.90	22	230B1C405*	.46	.63	1.40	20
5.0	230B1Z505*	.28	.38	.78	24	230B1B505*	.28	.44	1.15	22	230B1C505*	.45	.61	1.65	20
6.0	230B1Z605*	.31	.42	.78	24	230B1B605*	.33	.49	1.15	22	230B1C605*	.52	.69	1.65	20
8.0	230B1Z805*	.32	.42	.90	22	230B1B805*	.35	.51	1.15	20	230B1C805*	.53	.70	1.90	20
10.0	230B1Z106*	.37	.46	.90	22	230B1B106*	.46	.63	1.15	20	230B1C106*	.66	.82	1.90	20
12.0	230B1Z126*	.30	.48	1.15	22	230B1B126*	.51	.68	1.15	20	230B1C126*	.78	.95	1.90	20
15.0	230B1Z156*	.35	.51	1.15	22	230B1B156*	.50	.67	1.40	20	230B1C156*	.82	.99	1.90	20
18.0	230B1Z186*	.38	.55	1.15	22	230B1B186*	.56	.72	1.40	20	230B1C186*	.85	1.11	1.90	20
20.0	230B1Z206*	.41	.57	1.15	22	230B1B206*	.52	.68	1.65	20	230B1C206*	1.00	1.13	1.90	20
30.0	230B1Z306*	.52	.69	1.15	20	230B1B306*	.59	.75	1.90	20	230B1C306	1.10	1.30	2.21	20
40.0	230B1Z406*	.61	.78	1.15	20	230B1B406*	.72	.88	1.90	20	230B1C406	1.10	1.30	2.75	20
50.0	230B1Z506*	.60	.77	1.40	20	230B1B506*	.79	.95	1.90	20	230B1C506	1.25	1.45	2.75	20
75.0	230B1Z756*	.67	.84	1.65	20	230B1B756*	.96	1.13	1.90	18	230B1C756	1.49	1.79	2.75	18
100.0	230B1Z1006*	.65	.83	2.21	18	230B1B1006*	1.10	1.30	1.90	18	230B1C1006	1.70	2.08	2.75	18

 *Add tolerance designator to complete part number: F = $\pm 1\%$, G = $\pm 2\%$, J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$



**WRAP AND FILL
OVAL CONFIGURATION**

For max. T, W and L dimensions, allow $+.050''$.

LEAD LENGTH: $2.0'' \pm .50''$

MFD	400 VOLT DC					600 VOLT DC					1000 VOLT DC				
	PART NO.	DIMENSIONS			LEAD SIZE (AWG)	PART NO.	DIMENSIONS			LEAD SIZE (AWG)	PART NO.	DIMENSIONS			LEAD SIZE (AWG)
		T	W	L			T	W	L			T	W	L	
.0010	230B1E102*	.09	.18	.40	26	230B1F102*	.09	.18	.40	26	230B1G102*				
.0012	230B1E122*	.09	.18	.40	26	230B1F122*	.09	.18	.40	26	230B1G122*				
.0015	230B1E152*	.09	.18	.40	26	230B1F152*	.09	.18	.40	26	230B1G152*				
.0018	230B1E182*	.09	.18	.40	26	230B1F182*	.09	.18	.40	26	230B1G182*				
.0022	230B1E222*	.09	.18	.40	26	230B1F222*	.09	.18	.40	26	230B1G222*				
.0027	230B1E272*	.09	.18	.40	26	230B1F272*	.10	.19	.40	26	230B1G272*				
.0033	230B1E332*	.09	.18	.40	26	230B1F332*	.09	.18	.53	26	230B1G332*				
.0039	230B1E392*	.09	.18	.40	26	230B1F392*	.09	.18	.53	26	230B1G392*				
.0047	230B1E472*	.09	.18	.40	26	230B1F472*	.09	.18	.53	26	230B1G472*				
.0056	230B1E562*	.10	.20	.40	26	230B1F562*	.09	.18	.53	26	230B1G562*				
.0068	230B1E682*	.11	.21	.40	26	230B1F682*	.11	.20	.53	26	230B1G682*				
.0082	230B1E822*	.09	.18	.53	26	230B1F822*	.12	.22	.53	24	230B1G822*				
.010	230B1E103*	.09	.18	.53	26	230B1F103*	.14	.23	.53	24	230B1G103*				
.012	230B1E123*	.09	.18	.53	26	230B1F123*	.15	.25	.53	24	230B1G123*				
.015	230B1E153*	.09	.18	.53	26	230B1F153*	.18	.27	.53	24	230B1G153*				
.018	230B1E183*	.11	.20	.53	26	230B1F183*	.20	.29	.53	24	230B1G183*				
.022	230B1E223*	.12	.22	.53	24	230B1F223*	.22	.32	.53	24	230B1G223*				
.027	230B1E273*	.14	.23	.53	24	230B1F273*	.20	.29	.68	24	230B1G273*				
.033	230B1E333*	.16	.25	.53	24	230B1F333*	.22	.31	.68	24	230B1G333*				
.039	230B1E393*	.17	.27	.53	24	230B1F393*	.20	.30	.78	24	230B1G393*				
.047	230B1E473*	.19	.29	.53	24	230B1F473*	.25	.32	.78	24	230B1G473*				
.056	230B1E563*	.22	.31	.53	24	230B1F563*	.25	.34	.78	24	230B1G563*				
.068	230B1E683*	.18	.27	.65	24	230B1F683*	.28	.37	.78	24	230B1G683*				
.082	230B1E823*	.20	.29	.65	24	230B1F823*	.31	.41	.78	22	230B1G823*				
.10	230B1E104*	.22	.32	.65	24	230B1F104*	.31	.40	.95	22	230B1G104*				
.12	230B1E124*	.20	.30	.78	24	230B1F124*	.24	.41	1.17	22	230B1G124*				
.15	230B1E154*	.23	.33	.78	24	230B1F154*	.28	.44	1.17	22	230B1G154*				
.18	230B1E184*	.26	.34	.78	24	230B1F184*	.31	.48	1.17	22	230B1G184*				
.22	230B1E224*	.29	.39	.78	24	230B1F224*	.35	.52	1.17	20	230B1G224*				
.27	230B1E274*	.33	.42	.78	22	230B1F274*	.40	.57	1.17	20	230B1G274*				
.33	230B1E334*	.32	.41	.90	22	230B1F334*	.45	.61	1.17	20	230B1G334*				
.39	230B1E394*	.25	.42	1.15	22	230B1F394*	.43	.59	1.45	20	230B1G394*				
.47	230B1E474*	.28	.45	1.15	22	230B1F474*	.48	.65	1.45	20	230B1G474*				
.56	230B1E564*	.31	.48	1.15	22	230B1F564*	.47	.63	1.70	20	230B1G564*				
.68	230B1E684*	.35	.52	1.15	20	230B1F684*	.47	.64	1.90	20	230B1G684*				
.82	230B1E824*	.39	.56	1.15	20	230B1F824*	.53	.70	1.90	20	230B1G824*				
1.0	230B1E105*	.44	.61	1.15	20	230B1F105*	.59	.76	1.90	20	230B1G105*				
1.2	230B1E125*	.42	.59	1.40	20	230B1F125*	.66	.82	1.90	20	230B1G125*				
1.5	230B1E155*	.48	.65	1.40	20	230B1F155*	.75	.91	1.90	20	230B1G155*				
1.8	230B1E185*	.47	.64	1.65	20	230B1F185*	.79	.96	1.90	20	230B1G185*				
2.0	230B1E205*	.45	.62	1.90	20	230B1F205*	.88	1.05	1.90	20	230B1G205*				
3.0	230B1E305*	.57	.74	1.90	20	230B1F305*	.99	1.15	2.21	20	230B1G305*				
4.0	230B1E405*	.68	.84	1.90	20	230B1F405*	1.15	1.32	2.21	20	230B1G405*				
5.0	230B1E505*	.77	.93	1.90	20	230B1F505*	1.25	1.43	2.21	20	230B1G505*				
6.0	230B1E605*	.83	.99	1.90	20	230B1F605*	1.42	1.60	2.21	20	230B1G605*				
8.0	230B1E805*	1.02	1.19	1.90	20	230B1F805*	1.64	1.80	2.21	20	230B1G805*				
10.0	230B1E106*	1.09	1.26	1.90	20	230B1F106*	1.74	2.13	2.21	20	230B1G106*				
12.0	230B1E126*	1.20	1.37	1.90	20	230B1F126*	-	-	-	-	230B1G126*				
15.0	230B1E156*	1.21	1.40	2.21	20	230B1F156*	-	-	-	-	230B1G156*				
18.0	230B1E186*	1.38	1.54	2.21	20	230B1F186*	-	-	-	-	230B1G186*				
20.0	230B1E206*	1.45	1.65	2.21	20	230B1F206*	-	-	-	-	230B1G206*				
30.0	230B1E306*	-	-	-	-	230B1F306*	-	-	-	-	230B1G306*				
40.0	230B1E406*	-	-	-	-	230B1F406*	-	-	-	-	230B1G406*				
50.0	230B1E506*	-	-	-	-	230B1F506*	-	-	-	-	230B1G506*				
75.0	230B1E756*	-	-	-	-	230B1F756*	-	-	-	-	230B1G756*				
100.0	230B1E1006*	-	-	-	-	230B1F1006*	-	-	-	-	230B1G1006*				

PLEASE CONSULT FACTORY

*Add tolerance designator to complete part number: F = $\pm 1\%$, G = $\pm 2\%$, J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$