

This new dual combination film capacitor series offers the design engineer extreme low capacitance variation over its temperature range. Units feature high quality at low cost and excellent volumetric efficiency for high density packaging applications.

The series is available in axial-lead wrap and fill in oval and round styles. They are offered in 100 and 200 VDC.

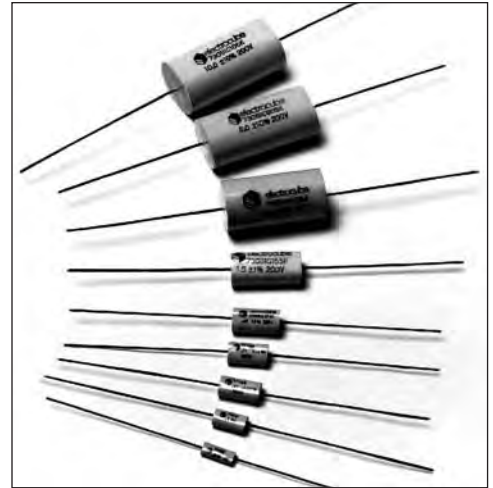
All capacitors feature extended foil construction and standard tin-coated,

copper-clad steel leads. Nickel, copper, dumet and other special leads are available.

Protective clear wrap is offered on all wrap and fill units.

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 all of your design requirements.



SPECIFICATIONS

Temperature: -55°C to +85°C at rated voltage; to +105°C with 50% voltage derating.

Capacitance Stability: Maximum change with temperature -4% at -55°C, -1% at 0°C, -0.75% at 85°C and +3% at 105°C.

Dielectric Strength: Will withstand 150% rated voltage at 25°C for a period not to exceed 2 minutes; current limited to 5 mA.

Life Test: Will withstand 140% rated voltage for 250 hrs. at 85°C. with not more than 1 failure in 12 permitted.

Dissipation Factor: Shall not exceed 0.5% at 25°C.

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 mfd and up.

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

TEMP. (°C)	MEG x MFDS		MEG (NEED NOT EXCEED)	
	100V	200V	100V	200V
25	25,000	50,000	50,000	100,000
85	2,500	5,000	5,000	10,000
105	100	200	200	400

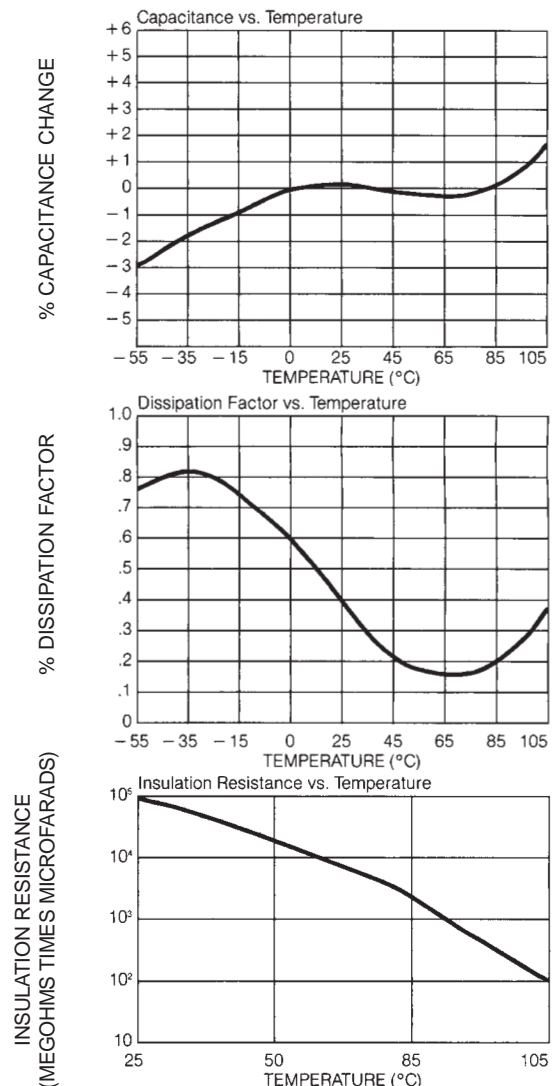
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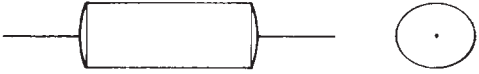

For information regarding insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware, please consult factory.

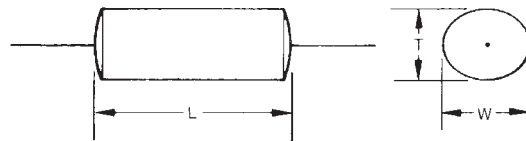
For styles and ratings not shown, or for unusual requirements necessitated by special circuit applications (including higher IR or lower DF), consult the factory direct.

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

TYPICAL DIELECTRIC CHARACTERISTIC CURVES



SERIES NO.	DESCRIPTION
730B	FLAME RETARDANT WRAP AND FILL, OVAL 
730D	FLAME RETARDANT WRAP AND FILL, ROUND 



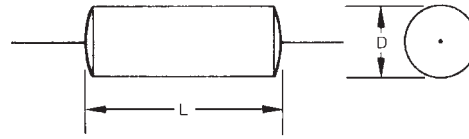
**WRAP AND FILL
OVAL CONFIGURATION**

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

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

MFD	100 VOLT DC					200 VOLT DC				
	PART NO.	DIMENSIONS			LEAD SIZE (AWG)	PART NO.	DIMENSIONS			LEAD SIZE (AWG)
		T	W	L			T	W	L	
.0010	730B1B102*	.09	.18	.40	26	730B1C102*	.09	.18	.40	26
.0012	730B1B122*	.09	.18	.40	26	730B1C122*	.09	.18	.40	26
.0015	730B1B152*	.09	.18	.40	26	730B1C152*	.09	.18	.40	26
.0018	730B1B182*	.09	.18	.40	26	730B1C182*	.09	.18	.40	26
.0027	730B1B272*	.09	.18	.40	26	730B1C272*	.09	.18	.40	26
.0033	730B1B332*	.09	.18	.40	26	730B1C332*	.09	.18	.40	26
.0039	730B1B392*	.09	.18	.40	26	730B1C392*	.09	.18	.40	26
.0047	730B1B472*	.09	.18	.40	26	730B1C472*	.09	.18	.40	26
.0056	730B1B562*	.09	.18	.40	26	730B1C562*	.09	.18	.40	26
.0068	730B1B682*	.09	.18	.40	26	730B1C682*	.09	.18	.40	26
.0082	730B1B822*	.09	.18	.40	26	730B1C822*	.09	.18	.40	26
.010	730B1B103*	.09	.18	.40	26	730B1C103*	.09	.18	.40	26
.012	730B1B123*	.09	.18	.40	26	730B1C123*	.09	.18	.40	26
.015	730B1B153*	.09	.18	.40	26	730B1C153*	.09	.18	.40	26
.018	730B1B183*	.09	.18	.40	26	730B1C183*	.10	.19	.40	26
.022	730B1B223*	.09	.18	.40	26	730B1C223*	.11	.20	.40	26
.027	730B1B273*	.09	.18	.40	26	730B1C273*	.09	.18	.53	26
.033	730B1B333*	.09	.18	.40	26	730B1C333*	.09	.18	.53	26
.039	730B1B393*	.09	.19	.40	26	730B1C393*	.10	.20	.53	26
.047	730B1B473*	.10	.20	.40	26	730B1C473*	.11	.21	.53	26
.056	730B1B563*	.11	.21	.40	26	730B1C563*	.13	.22	.53	24
.068	730B1B683*	.13	.23	.40	24	730B1C683*	.15	.24	.53	24
.082	730B1B823*	.11	.20	.53	24	730B1C823*	.16	.26	.53	24
.10	730B1B104*	.13	.23	.53	24	730B1C104*	.18	.28	.53	24
.12	730B1B124*	.14	.24	.53	24	730B1C124*	.21	.30	.53	24
.15	730B1B154*	.16	.26	.53	24	730B1C154*	.23	.33	.53	24
.18	730B1B184*	.19	.28	.53	24	730B1C184*	.21	.30	.65	24
.22	730B1B224*	.22	.31	.53	24	730B1C224*	.23	.33	.65	24
.27	730B1B274*	.24	.34	.53	24	730B1C274*	.24	.33	.78	24
.33	730B1B334*	.27	.37	.53	24	730B1C334*	.27	.36	.78	24
.39	730B1B394*	.30	.40	.53	22	730B1C394*	.30	.40	.78	22
.47	730B1B474*	.24	.34	.65	22	730B1C474*	.33	.43	.78	22
.56	730B1B564*	.29	.38	.65	22	730B1C564*	.32	.41	.90	22
.68	730B1B684*	.25	.35	.78	22	730B1C684*	.25	.42	1.15	22
.82	730B1B824*	.28	.38	.78	22	730B1C824*	.28	.45	1.15	22
1.0	730B1B105*	.31	.41	.78	22	730B1C105*	.32	.49	1.15	22
1.2	730B1B125*	.35	.45	.78	22	730B1C125*	.36	.52	1.15	20
1.5	730B1B155*	.35	.45	.90	22	730B1C155*	.41	.58	1.15	20
1.8	730B1B185*	.39	.48	.90	22	730B1C185*	.46	.62	1.15	20
2.0	730B1B205*	.29	.46	1.15	22	730B1C205*	.49	.65	1.15	20
2.5	730B1B255*	.33	.50	1.15	22	730B1C255*	.47	.64	1.40	20
3.0	730B1B305*	.37	.53	1.15	20	730B1C305*	.47	.63	1.65	20
3.5	730B1B355*	.41	.58	1.15	20	730B1C355*	.51	.67	1.65	20
4.0	730B1B405*	.44	.62	1.15	20	730B1C405*	.50	.66	1.90	20
4.5	730B1B455*	.47	.64	1.15	20	730B1C455*	.53	.70	1.90	20
5.0	730B1B505*	.50	.67	1.15	20	730B1C505*	.57	.73	1.90	20
6.0	730B1B605*	.56	.73	1.15	20	730B1C605*	.63	.79	1.90	20
8.0	730B1B805*	.57	.74	1.40	20	730B1C805*	.74	.90	1.90	20
10.0	730B1B106*	.57	.74	1.65	20	730B1C106*	.84	1.00	1.90	20
12.0	730B1B126*	.57	.74	1.90	20	730B1C126*	-	-	-	-
15.0	730B1B156*	.65	.82	1.90	20	730B1C156*	-	-	-	-
18.0	730B1B186*	.72	.88	1.90	20	730B1C186*	-	-	-	-
20.0	730B1B206*	.76	.93	1.90	20	730B1C206*	-	-	-	-

*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
ROUND CONFIGURATION**

For max. D and L dimensions, allow $+.050''$.

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

MFD	100 VOLT DC				200 VOLT DC			
	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)
		D	L			D	L	
.0010	730D1B102*	.15	.40	24	730D1C102*	.15	.40	24
.0012	730D1B122*	.15	.40	24	730D1C122*	.15	.40	24
.0015	730D1B152*	.15	.40	24	730D1C152*	.15	.40	24
.0018	730D1B182*	.15	.40	24	730D1C182*	.15	.40	24
.0027	730D1B272*	-	-	-	730D1C272*	-	-	-
.0033	730D1B332*	.15	.40	24	730D1C332*	.15	.40	24
.0039	730D1B392*	.15	.40	24	730D1C392*	.15	.40	24
.0047	730D1B472*	.15	.40	24	730D1C472*	.15	.40	24
.0056	730D1B562*	.15	.40	24	730D1C562*	.15	.40	24
.0068	730D1B682*	.15	.40	24	730D1C682*	.15	.40	24
.0082	730D1B822*	.15	.40	24	730D1C822*	.15	.40	24
.010	730D1B103*	.15	.40	24	730D1C103*	.15	.40	24
.012	730D1B123*	.15	.40	24	730D1C123*	.15	.40	24
.015	730D1B153*	.15	.40	24	730D1C153*	.15	.40	24
.018	730D1B183*	.15	.40	24	730D1C183*	.16	.40	24
.022	730D1B223*	.15	.40	24	730D1C223*	.17	.40	24
.027	730D1B273*	.15	.40	24	730D1C273*	.15	.53	24
.033	730D1B333*	.15	.40	24	730D1C333*	.15	.53	24
.039	730D1B393*	.15	.40	24	730D1C393*	.16	.53	24
.047	730D1B473*	.16	.40	24	730D1C473*	.17	.53	24
.056	730D1B563*	.17	.40	24	730D1C563*	.19	.53	24
.068	730D1B683*	.19	.40	24	730D1C683*	.21	.53	24
.082	730D1B823*	.18	.53	24	730D1C823*	.22	.53	24
.10	730D1B104*	.19	.53	24	730D1C104*	.24	.53	24
.12	730D1B124*	.21	.53	24	730D1C124*	.27	.53	24
.15	730D1B154*	.23	.53	24	730D1C154*	.29	.53	24
.18	730D1B184*	.25	.53	24	730D1C184*	.27	.65	24
.22	730D1B224*	.28	.53	24	730D1C224*	.29	.65	24
.27	730D1B274*	.30	.53	24	730D1C274*	.30	.78	24
.33	730D1B334*	.33	.53	24	730D1C334*	.33	.78	24
.39	730D1B394*	.36	.53	24	730D1C394*	.36	.78	22
.47	730D1B474*	.31	.65	24	730D1C474*	.39	.78	22
.56	730D1B564*	.36	.65	24	730D1C564	.38	.90	22
.68	730D1B684*	.31	.78	24	730D1C684*	.36	1.15	22
.82	730D1B824*	.34	.78	24	730D1C824*	.39	1.15	22
1.0	730D1B105*	.37	.78	22	730D1C105*	.43	1.15	22
1.2	730D1B125*	.41	.78	22	730D1C125*	.46	1.15	22
1.5	730D1B155*	.40	.90	22	730D1C155*	.52	1.15	20
1.8	730D1B185*	.44	.90	22	730D1C185*	.56	1.15	20
2.0	730D1B205*	.40	1.15	22	730D1C205*	.59	1.15	20
2.5	730D1B255*	.44	1.15	22	730D1C255*	.58	1.40	20
3.0	730D1B305*	.48	1.15	20	730D1C305*	.57	1.65	20
3.5	730D1B355*	.52	1.15	20	730D1C355*	.61	1.65	20
4.0	730D1B405*	.55	1.15	20	730D1C405*	.60	1.90	20
4.5	730D1B455*	.58	1.15	20	730D1C455*	.64	1.90	20
5.0	730D1B505*	.61	1.15	20	730D1C505*	.67	1.90	20
6.0	730D1B605*	.67	1.15	20	730D1C605*	.73	1.90	20
8.0	730D1B805*	.67	1.40	20	730D1C805*	.85	1.90	20
10.0	730D1B106*	.68	1.65	20	730D1C106*	.94	1.90	20
12.0	730D1B126*	.68	1.90	20	730D1C126*	-	-	-
15.0	730D1B156*	.76	1.90	20	730D1C156*	-	-	-
18.0	730D1B186*	.83	1.90	20	730D1C186*	-	-	-
20.0	730D1B206*	.87	1.90	20	730D1C206*	-	-	-

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