

This metallized Polyphenylene Sulfide capacitor series exhibits superior electrical characteristics over an extremely wide temperature range. Their miniature size, high Q, excellent IR and capacitance stability make them ideally suited to filter network and other low-loss high frequency applications.

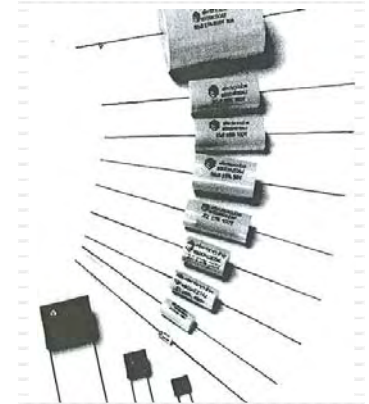
A wide variety of sizes and configurations are available: axial-lead wrap and fill (in oval and round shapes) and rectangular epoxy case (axial and radial leads).

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. Please add .010" to maximum T and W or dimensions for protective clear wrap.

The potting material and endfills of electrocube's capacitors meet or exceed the flammability requirements of UL94VO.

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



## SPECIFICATIONS

**Temperature:** -55°C to +125°C.

**Dielectric Strength:** will withstand 200% at voltage and 25°C for a period not exceed 1 minute; current limited to 5 mA.

**Life Test:** will withstand 140% rated voltage for 250 hours at +125°C With not more than 1 failure in 12 permitted.

**Dissipation factor:** shall not exceed 0.3% at 25°C.

**Acceptance Criteria:** Measurement frequency for capacitance and dissipation factor shall be 1000Hz for values to 1 mfd; 120Hz. For values of 1 mfd and over.

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

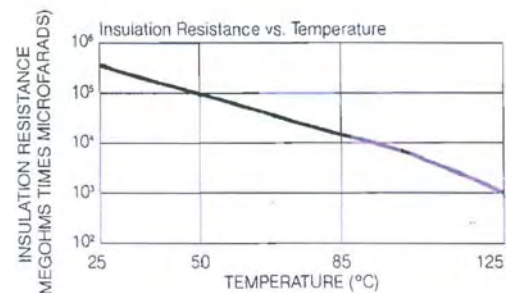
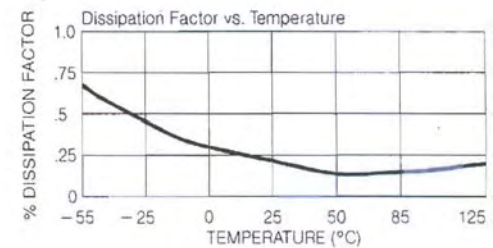
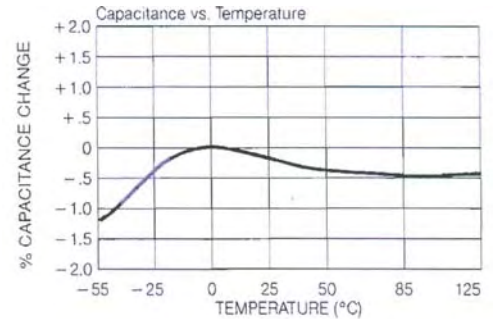
Temperature (°C)	MEG x MFDS		MEG (NEED NOT EXCEED)	
	50 – 100V	200 V - UP	50 – 100V	200 V – UP
25	25,000	50,000	50,000	100,000
85	2,500	5,000	5,000	10,000
125	50	100	100	200

**NOTES:**







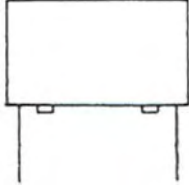
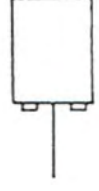




For information regarding insulating sleeves, mountings, special terminals non-standard leads, circuit connections and other hardware, please consult factory.

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

**TYPICAL DIELECTRIC CHARACTERISTIC CURVERS**



**All Electrocube film capacitors have endfills and tape that Meet or exceed the flammability requirements of UL94VO.**

SERIES NO.	DESCRIPTION
330B	FLAME RETARDANT WRAP AND FILL, OVAL  
330C	FLAME RETARDANT WRAP AND FILL, FLAT  
330D	FLAME RETARDANT WRAP AND FILL, ROUND  
332A	FLAME RETARDANT EPOXY CASE, RECTANGULAR RADIAL LEADS  
333A	FLAME RETARDANT EPOXY CASE, RECTANGULAR AXIAL LEADS  
351D	HERMETIC SEAL ROUND CONFIGURATION AXIAL LEADS  

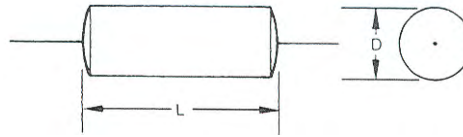












For max. D and L dimensions, allow +.050".

LEAD LENGTH: 2.0" ±.50"

 WRAP AND FILL  
ROUND CONFIGURATION

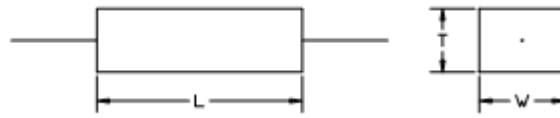
MFD	400 VDC / 240VAC				VDC / VAC				VDC / VAC			
	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)
		D	L			D	L			D	L	
.0010	330D1E102*	.15	.40	24								
.0018	330D1E182*	.15	.40	24								
.0022	330D1E222*	.15	.40	24								
.0027	330D1E272*	.15	.40	24								
.0033	330D1E332*	.15	.40	24								
.0039	330D1E392*	.16	.40	24								
.0047	330D1E472*	.17	.40	24								
.0056	330D1E562*	.15	.56	24								
.0068	330D1E682*	.15	.56	24								
.0082	330D1E822*	.15	.56	24								
.010	330D1E103*	.17	.56	24								
.012	330D1E123*	.18	.56	24								
.015	330D1E153*	.20	.56	24								
.018	330D1E183*	.22	.56	24								
.022	330D1E223*	.24	.56	24								
.027	330D1E273*	.27	.56	24								
.033	330D1E333*	.29	.56	24								
.039	330D1E393*	.25	.69	24								
.047	330D1E473*	.27	.69	24								
.056	330D1E563*	.30	.69	24								
.068	330D1E683*	.28	.81	24								
.082	330D1E823*	.31	.81	24								
.10	330D1E104*	.34	.81	24								
.12	330D1E124*	.37	.81	22								
.15	330D1E154*	.35	.95	22								
.18	330D1E184*	.40	.95	22								
.22	330D1E224*	.38	1.21	22								
.27	330D1E274*	.42	1.21	22								
.33	330D1E334*	.46	1.21	22								
.39	330D1E394*	.50	1.21	20								
.47	330D1E474*	.54	1.21	20								
.56	330D1E564*	.59	1.21	20								
.68	330D1E684*	.63	1.46	20								
.82	330D1E824*	.62	1.72	20								
1.0	330D1E105*	.57	1.96	20								
1.2	330D1E125*	.63	1.96	20								
1.5	330D1E155*	.70	1.96	20								
1.8	330D1E185*	.76	1.96	20								
2.0	330D1E205*	.81	1.96	20								
2.5	330D1E255*	-	-	-								
3.0	330D1E305*	-	-	-								
3.5	330D1E355*	-	-	-								
4.0	330D1E405*	-	-	-								
4.5	330D1E455*	-	-	-								
5.0	330D1E505*	-	-	-								
6.0	330D1E605*	-	-	-								
8.0	330D1E805*	-	-	-								
10.0	330D1E106*	-	-	-								
12.0	330D1E126*	-	-	-								
15.0	330D1E156*	-	-	-								
18.0	330D1E186*	-	-	-								
20.0	330D1E206*	-	-	-								
30.0	330D1E306*	-	-	-								
40.0	330D1E406*	-	-	-								
50.0	330D1E506*	-	-	-								

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









EPOXY CASE RECTANGULAR CONFIGURATION

For Max. T and W Dimensions, allow +.010".  
For Max. L Dimensions, allow +.030".

LEAD LENGTH: 2.0" ± .50"

Table with 15 columns: MFD, 50 VOLT DC (PART No., T, H, L, LEAD SIZE), 100 VOLT DC (PART No., T, H, L, LEAD SIZE), 200 VOLT DC (PART No., T, H, L, LEAD SIZE). Rows include part numbers like 333A1A102\* and 333A1C102\* with their respective dimensions and lead sizes.

\*Add Tolerance Designator to complete part number: F = ±1%, G = ±2%, J = ±5%, K = ±10%, M = ±20%







