

This metallized polycarbonate capacitor series exhibits superior electrical characteristics over an extremely wide temperature range. 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 is available. Axial-lead wrap-and-fill, in oval and round shapes; rectangular epoxy case, with axial and radial leads; and radial-lead epoxy dip units.

All capacitors feature extended foil construction, and standard tin-coated copper-clad steel leads; nickel, copper, dumet and other special leads available.

SPECIFICATIONS

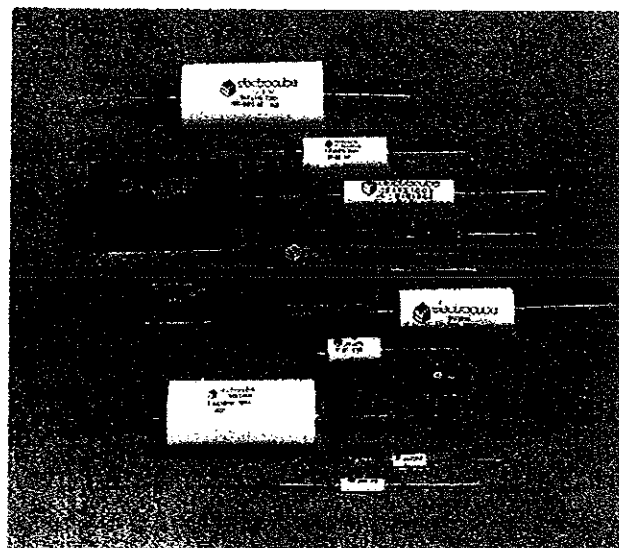
Temperature: -55°C to $+125^{\circ}\text{C}$.

Dielectric Strength: Will withstand 200% rated voltage at 25°C , for a period not to exceed 1 minute; current limited to 5 ma.

Life Test: Will withstand 140% rated voltage for 250 hrs. at $+125^{\circ}\text{C}$, 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 1000 Hz for values to 1 mfd; 60 Hz for values over 1 mfd.

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

TEMP. ($^{\circ}\text{C}$)	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

The following capacitor series are not recommended for new design. For technical data or alternate design and application information, consult factory.

625C 627A 636A
625D 630A

NOTES

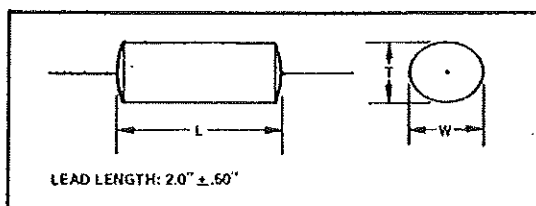
For information regarding insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware, consult factory.

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



electrocube capacitors

625B
METALLIZED POLYCARBONATE
WRAP AND FILL, OVAL



MFD	50 VOLT				100 VOLT				200 VOLT				400 VOLT				PART NUMBER		
	DIMENSIONS			LEAD SIZE (AWG)	DIMENSIONS			LEAD SIZE (AWG)	DIMENSIONS			LEAD SIZE (AWG)	DIMENSIONS			LEAD SIZE (AWG)			
	T ± .05"	W ± .05"	L ± .05"		T ± .05"	W ± .05"	L ± .05"		T ± .05"	W ± .05"	L ± .05"		T ± .05"	W ± .05"	L ± .05"				
.0010	.09	.18	.40	28	.09	.18	.40	28	.09	.18	.40	28	.09	.18	.40	28	102		
.0015	.09	.18	.40		.09	.18	.40		.09	.18	.40		.09	.18	.40		152		
.0022	.09	.18	.40		.09	.18	.40		.09	.18	.40		.09	.18	.40		222		
.0033	.09	.18	.40		.09	.18	.40		.09	.18	.40		.09	.18	.40	26	332		
.0047	.09	.18	.40		.09	.18	.40		.09	.18	.40		.14	.24	.40		472		
.0068	.09	.18	.40		.09	.18	.40		.09	.18	.40		.14	.24	.53		682		
.0082	.09	.18	.40		.09	.18	.40		.09	.18	.40	26	.14	.24	.53		822		
.01	.09	.18	.40		.09	.18	.40		.09	.18	.40		.14	.24	.53		103		
.015	.09	.18	.40		.09	.18	.40		.14	.24	.40		.20	.30	.53		153		
.022	.09	.18	.40		.09	.18	.40		.16	.26	.40	24	.25	.35	.53	24	223		
.033	.09	.18	.40		.10	.21	.40		.12	.22	.53		.25	.35	.68		333		
.047	.09	.18	.40		.11	.24	.40		.14	.24	.53		.30	.40	.68		473		
.068	.09	.18	.40		.14	.27	.40		.18	.28	.53		.35	.45	.68		683		
.082	.10	.20	.40		.09	.22	.53		.20	.32	.53		.35	.45	.90		823		
.10	.12	.21	.40		.11	.24	.53		.25	.35	.53		.35	.45	.90		104		
.12	.13	.22	.40		.14	.27	.53	26	.25	.35	.68	24	.40	.50	.90		124		
.15	.15	.25	.40		.14	.27	.53		.25	.35	.68		.40	.50	.90		154		
.18	.10	.19	.53		.14	.27	.53		.25	.35	.68		.40	.50	.90		184		
.22	.11	.21	.53		.18	.30	.53	24	.30	.40	.68	22	.45	.55	.90	22	224		
.27	.12	.22	.53		.18	.30	.53		.25	.35	.90		.34	.50	1.20		274		
.33	.15	.25	.53		.17	.30	.68		.25	.35	.90		.45	.60	1.20		334		
.39	.16	.26	.53	26	.19	.29	.78		.28	.37	.90		.45	.60	1.20		394		
.47	.18	.28	.53		.18	.30	.78		.33	.43	.90		.55	.67	1.20		474		
.56	.20	.29	.53		.20	.33	.78		.33	.43	.90		.44	.60	1.68		564		
.68	.23	.32	.53	24	.22	.35	.78	24	.38	.48	.90	22	.50	.68	1.88		684		
.82	.26	.35	.53		.26	.36	.78		.33	.50	1.20		.58	.74	1.88		824		
.10	.22	.31	.68		.26	.35	.95		.37	.52	1.20		.60	.78	1.68		105		
.12	.24	.34	.68		.29	.39	.95		.39	.56	1.20		.68	.88	1.68		125		
.15	.23	.33	.78		.30	.41	.95		.40	.60	1.20		.78	.94	1.68		155		
.18	.26	.35	.78		.32	.45	.95		.40	.60	1.20		.85	1.02	1.68		185		
.20	.27	.37	.78		.33	.49	.95	22	.40	.60	1.70		.90	1.08	1.68	20	205		
.25	.31	.40	.78		.31	.48	1.17		.45	.62	1.70						225		
.30	.35	.44	.78		.35	.51	1.17		.55	.72	1.70						305		
.35	.33	.42	.95	24	.38	.55	1.17		.62	.76	1.70						355		
.40	.36	.45	.95		.37	.54	1.70		.65	.78	1.70						405		
.45	.29	.46	1.17		.37	.54	1.70		.72	.87	1.70						455		
.50	.31	.48	1.17		.40	.56	1.70		.75	.93	1.70						505		
.60	.34	.51	1.17		.42	.58	1.70		.80	.97	1.70						605		
.80	.37	.53	1.17		.50	.66	1.70		.90	1.05	1.70						805		
.100	.42	.59	1.17	22	.60	.76	1.70	20	.90	1.10	1.95	20					106		
.120	.47	.63	1.17																126
.150	.44	.60	1.45																156
.180	.48	.63	1.70														186		
.200	.52	.68	1.70															206	
.250	.58	.75	1.70															256	
.300	.64	.81	1.70	20													306		
.350	.70	.87	1.70															356	
.400	.76	.93	1.70															406	
.500	.87	1.03	1.70															506	

Ordering Information

Series 625C and 625D, consult factory.

Capacitance series number and case style designation

Circuit Symbol
1 = Case Floating

Capacitance
(See Part Number)

Tolerance
None = ±20%
K = ±10%
J = ±5%
G = ±2%
F = ±1%

Voltage

A = 50 D = 300
B = 100 E = 400
C = 200 F = 600

625B 1 B 683 J