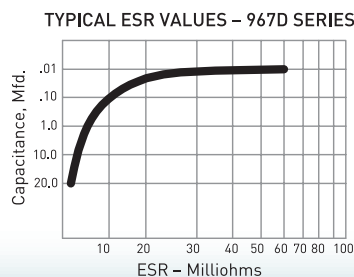
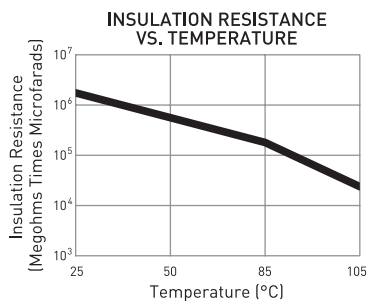
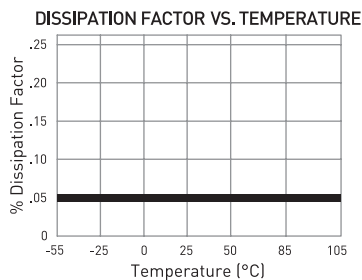
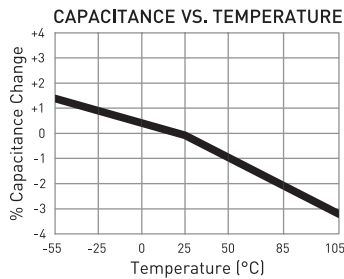


Polypropylene and Foil 967D Capacitors

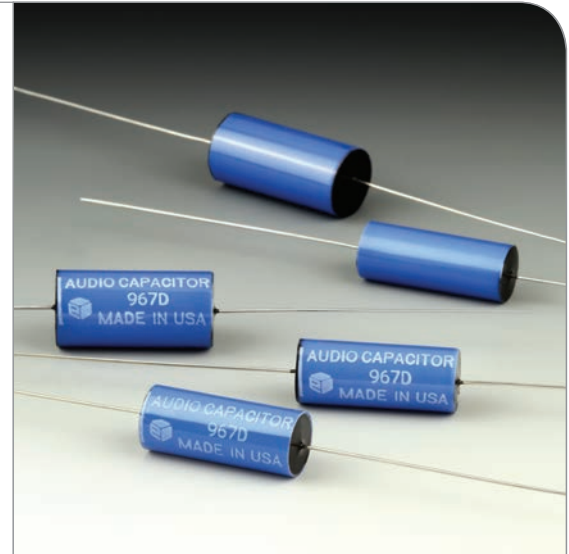
The Electrocube 967D series is designed and optimized for high-end audio applications subject to AC and pulsing signals. It offers high frequency operation, high current and low ESR. As a result, the 967D series is able to handle high surge current without degrading. As part of a designated line of capacitors for high-end audio applications, audio engineers prefer the 967D series for professional, commercial stage and studio use. Its high-grade materials, design and manufacturing process also is suitable for DC applications. Proudly made in the U.S., the 967D series is created with specialized design, testing and manufacturing techniques proprietary to Electrocube.

Typical Dielectric Characteristic Curves



967D SERIES				
RMS CURRENT (MAX) 20 Hz to 100 KHz*				
CAP. MFD.	CURRENT (AMPS)			PART NO.
	100 V / 200 V	400 V	600 V	
.0010	.100	.200	.300	102
.0015	.125	.225	.500	152
.0022	.140	.300	.600	222
.0033	.150	.350	.900	332
.0047	.200	.400	.950	472
.0068	.300	.600	.975	682
.0082	.400	.700	1.00	822
.010	.500	.825	1.10	103
.015	.700	1.00	1.25	153
.022	.825	1.00	1.50	223
.033	.750	1.00	2.00	333
.047	1.00	1.25	2.25	473
.068	1.00	1.50	2.50	683
.082	1.25	1.50	3.00	823
.10	1.30	2.00	5.00	104
.15	1.75	2.25	6.00	154
.22	2.00	3.00	8.00	224
.33	2.50	3.50	10.0	334
.47	3.75	3.75	12.0	474
.68	4.50	5.75	11.0	684
.82	4.25	5.75	14.0	824
1.0	5.25	6.50	18.0	105
2.0	9.00	11.0	30.0	205
5.0	15.0	25.0	50.0	505

*Notes: Derate Current 30% @ 50°C.
Current ratings based on component ambient temperature of 25°C.



967D Series

Available in round shape with axial-lead wrap and fill

Features

- Non-inductively wound extended foil construction and standard tin-coated, oxygen-free solid copper leads
- Tolerances available to $\pm 1\%$
- Protective clear wrap offered on all wrap and fill units
- Epoxy Resin endfills meet or exceed flammability requirements of UL94V0
- Compliance and certification to worldwide and other environmental standards available upon request; RoHS and Non-RoHS available on most units
- Rated for audio applications up to 100 KHz, also used for all DC applications up to 100, 200, 400, 600 VDC
- Customizable insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware
- Assorted styles, ratings and customization for unusual requirements necessitated by special circuit applications (including higher IR or lower DF)
- Dimensional variations for all mfd. values available with same volume

Specifications

Temperature range

- ■ ■ -55°C to +85°C at rated voltage
- ■ ■ Up to +105°C with 50% voltage derating

Dielectric voltage test

- ■ ■ At 25°C for a period not to exceed 1 minute, will withstand application of:
 - 200 VDC on 100 VDC
 - 400 VDC on 200 VDC
 - 800 VDC on 400 VDC
 - 1,200 VDC on 600 VDC
- ■ ■ Current limited to 5 mA

Dissipation factor

- ■ ■ Will not exceed:
 - 0.1% at 25°C for values to 1 mfd.
 - 0.2% for values 1 mfd. and over

DC life test

- ■ ■ Parts at 105°C for 250 hours with not more than 1 failure in 12 permitted to withstand application of:
 - 140 VDC on 100 VDC
 - 280 VDC on 200 VDC
 - 560 VDC on 400 VDC
 - 840 VDC on 600 VDC
- ■ ■ Current limited to 5 mA
- ■ ■ Additional life test details available

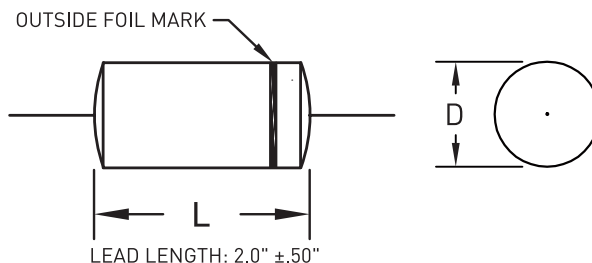
Dielectric absorption

- ■ ■ Will not exceed 0.1% at 25°C per MIL-C-19978

Acceptance criteria

- ■ ■ Measurement frequency for capacitance and dissipation factor will be:
 - 1,000 Hz for values up to 1 mfd.
 - 120 Hz for values of 1 mfd. and over

Wrap and Fill Round Configuration



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

100 VOLT DC					200 VOLT DC					400 VOLT DC					600 VOLT DC				
MFD.	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)			
		D	L			D	L			D	L			D	L				
.0010	967D1B102*	.15	.40	24	967D1C102*	.15	.40	24	967D1E102*	.15	.40	24	967D1F102*	.18	.40	24			
.0015	967D1B152*	.15	.40	24	967D1C152*	.15	.40	24	967D1E152*	.17	.40	24	967D1F152*	.21	.40	24			
.0022	967D1B222*	.15	.40	24	967D1C222*	.15	.40	24	967D1E222*	.19	.40	24	967D1F222*	.25	.40	24			
.0033	967D1B332*	.15	.40	24	967D1C332*	.19	.40	24	967D1E332*	.22	.40	24	967D1F332*	.19	.53	24			
.0047	967D1B472*	.17	.40	24	967D1C472*	.22	.40	24	967D1E472*	.26	.40	24	967D1F472*	.21	.53	24			
.0068	967D1B682*	.20	.40	24	967D1C682*	.25	.40	24	967D1E682*	.19	.53	24	967D1F682*	.25	.53	24			
.0082	967D1B822*	.21	.40	24	967D1C822*	.27	.40	24	967D1E822*	.21	.53	24	967D1F822*	.27	.53	24			
.010	967D1B103*	.23	.40	24	967D1C103*	.29	.40	24	967D1E103*	.22	.53	24	967D1F103*	.24	.65	24			
.015	967D1B153*	.27	.40	24	967D1C153*	.22	.53	24	967D1E153*	.26	.53	24	967D1F153*	.28	.65	24			
.022	967D1B223*	.20	.53	24	967D1C223*	.26	.53	24	967D1E223*	.31	.53	24	967D1F223*	.33	.65	24			
.033	967D1B333*	.24	.53	24	967D1C333*	.30	.53	24	967D1E333*	.30	.65	24	967D1F333*	.36	.78	24			
.047	967D1B473*	.28	.53	24	967D1C473*	.36	.53	24	967D1E473*	.35	.65	24	967D1F473*	.41	.78	22			
.068	967D1B683*	.32	.53	24	967D1C683*	.33	.65	24	967D1E683*	.41	.65	24	967D1F683*	.43	.90	22			
.082	967D1B823*	.35	.53	24	967D1C823*	.36	.65	24	967D1E823*	.38	.78	24	967D1F823*	.47	.90	22			
.10	967D1B104*	.38	.53	24	967D1C104*	.40	.65	24	967D1E104*	.42	.78	22	967D1F104*	.44	1.15	20			
.15	967D1B154*	.37	.65	24	967D1C154*	.41	.78	24	967D1E154*	.50	.78	22	967D1F154*	.52	1.15	20			
.22	967D1B224*	.43	.65	24	967D1C224*	.49	.78	24	967D1E224*	.53	.90	22	967D1F224*	.55	1.40	18			
.33	967D1B334*	.52	.65	24	967D1C334*	.52	.90	22	967D1E334*	.64	.90	20	967D1F334*	.66	1.40	18			
.47	967D1B474*	.53	.78	24	967D1C474*	.53	1.15	22	967D1E474*	.64	1.15	20	967D1F474*	.77	1.40	18			
.68	967D1B684*	.56	.90	22	967D1C684*	.62	1.15	22	967D1E684*	.76	1.15	20	967D1F684*	.83	1.65	18			
.82	967D1B824*	.61	.90	22	967D1C824*	.60	1.40	20	967D1E824*	.74	1.40	18	967D1F824*	.91	1.65	18			
1.0	967D1B105*	.56	1.15	20	967D1C105*	.66	1.40	20	967D1E105*	.81	1.40	18	967D1F105*	.92	1.90	18			
2.0	967D1B205*	.78	1.15	20	967D1C205*	.83	1.65	18	967D1E205*	.94	1.90	18	967D1F205*	1.28	1.90	18			
5.0	967D1B505*	.89	1.90	18	967D1C505*	1.18	1.90	18	967D1E505*	1.27	2.40	18	967D1F505*	1.57	2.90	18			
10.0	967D1B106*	1.24	1.90	18	967D1C106*	1.44	2.40	18	967D1E106*	1.78	2.40	18	967D1F106*	2.20	2.90	18			
15.0	967D1B156*	1.32	2.40	18	967D1C156*	1.75	2.40	18	967D1E156*	2.05	2.65	18	967D1F156*	2.37	3.75	18			
20.0	967D1B206*	1.52	2.40	18	967D1C206*	1.91	2.65	18	967D1E206*	2.25	2.90	18	967D1F206*	2.73	3.75	18			

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

For questions and/or a quote, contact Sales at 909-595-4037 or info@electrocube.com.



Founded in 1961, Electrocube is one of the most respected design manufacturers of passive electrical components – film capacitors, RC Networks, EMI Filters and foil transformers – for a wide range of standard and custom applications in the aerospace, audio, elevator, heavy equipment industries and more. Electrocube's hallmark is its clear understanding of the challenges faced by design engineers and purchasing agents as well as audio engineers, editors and musicians in the high-end audio industry. www.electrocube.com