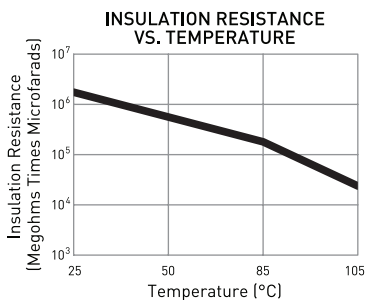
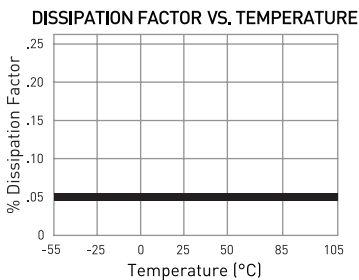
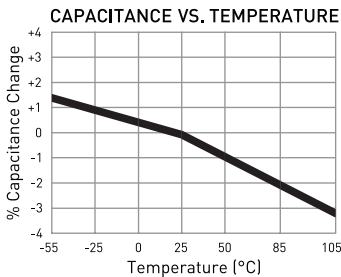


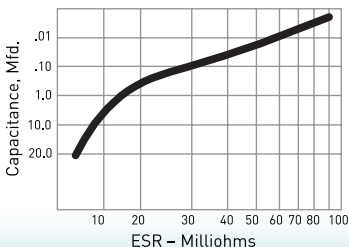
Metallized Polypropylene 916D Capacitors

The Electrocube 916D series includes rugged, non-inductively wound metallized audio capacitors. Proudly made in the U.S. with proprietary techniques, it offers high frequency operation, high current and low ESR in a miniature package. The 916D series is part of a designated line of capacitors specially designed and optimized for high-end audio applications subject to AC and pulsing signals. An excellent replacement for electrolytic capacitors, it is able to handle high surge currents without degrading. Audio engineers prefer the 916D series high-grade materials, design and manufacturing for professional, commercial stage and studio applications.

Typical Dielectric Characteristic Curves

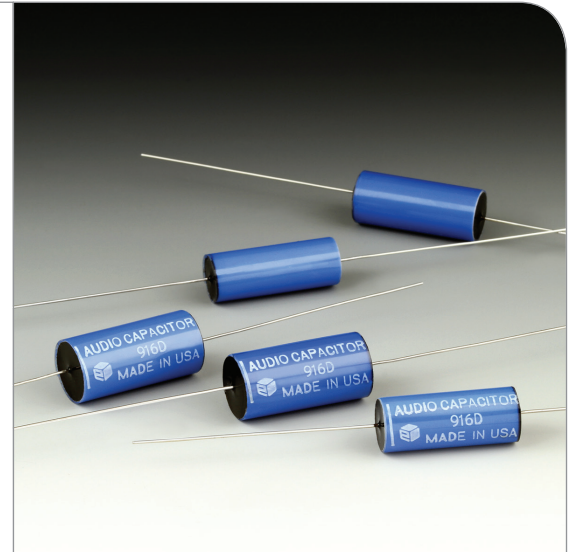


TYPICAL ESR VALUES – 916D SERIES



916D SERIES					
RMS CURRENT (MAX) 20 Hz to 100 KHz*					
CAP. MFD.	CURRENT (AMPS)				
	100 V	200 V	400 V	600 V	
.0010	.085	.085	.085	.085	
.0015	.085	.085	.085	.090	
.0022	.098	.098	.098	.125	
.0033	.138	.138	.138	.140	
.0047	.192	.192	.192	.192	
.0068	.225	.225	.225	.225	
.0082	.233	.233	.233	.233	
.010	.275	.275	.275	.275	
.015	.275	.275	.300	.350	
.022	.390	.390	.390	.400	
.033	.400	.420	.560	.560	
.047	.400	.560	.780	.790	
.068	.560	.850	1.19	1.25	
.082	.670	.950	1.19	1.25	
.10	.850	1.25	1.25	1.30	
.15	1.25	1.35	1.39	1.45	
.22	1.65	1.65	1.65	1.75	
.33	1.65	1.65	1.65	1.75	
.47	1.65	1.95	1.95	2.00	
.68	2.75	2.75	2.75	3.00	
.82	3.05	3.10	3.35	3.50	
1.0	3.35	3.45	3.55	3.75	
2.0	4.50	4.50	5.25	5.35	
5.0	6.67	8.40	11.20	15.50	

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



916D Series

Available in round shape with axial-lead wrap and fill

Features

- Extended electrode 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
- May be used for frequencies up to 100 KHz
- Rated for 100 VDC / 67 VAC, 200 VDC / 135 VAC, 400 VDC / 270 VAC, and 600 VDC / 440 VAC
- Applications include audio amplifiers, speakers and musical instruments (i.e., tone and volume control for bass and standard guitars) and other amplifier-capable instruments
- 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

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

Dielectric voltage test

- Will withstand 150% of DC rated voltage for a period not to exceed 1 minute at temperature of 25°C
- Current limited to 5 mA

DC life test

- Will withstand 140% of the DC rated voltage at 85°C for 250 hours with not more than 1 failure in 12 permitted
- Current limited to 5 mA
- Additional life test details available

Dissipation factor

- Will not exceed 0.1% at 25°C

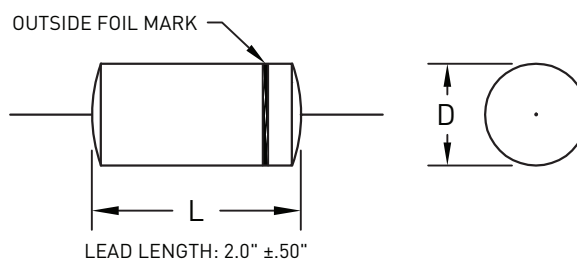
Dielectric absorption

- 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

Wrap and Fill Round Configuration



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

100 VOLT DC/67 VAC				200 VOLT DC/135 VAC				400 VOLT DC/270 VAC				600 VOLT DC/440 VAC					
MFD.	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	MFD.	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)
		D	L			D	L				D	L			D	L	
.0010	916D1B102*	.15	.40	24	916D1C102*	.15	.40	24	.0010	916D1E102*	.15	.40	24	916D1F102*	.15	.40	24
.0015	916D1B152*	.15	.40	24	916D1C152*	.15	.40	24	.0015	916D1E152*	.15	.40	24	916D1F152*	.15	.40	24
.0022	916D1B222*	.15	.40	24	916D1C222*	.15	.40	24	.0022	916D1E222*	.15	.40	24	916D1F222*	.15	.40	24
.0033	916D1B332*	.15	.40	24	916D1C332*	.15	.40	24	.0033	916D1E332*	.15	.40	24	916D1F332*	.15	.40	24
.0047	916D1B472*	.15	.40	24	916D1C472*	.15	.40	24	.0047	916D1E472*	.15	.40	24	916D1F472*	.15	.40	24
.0068	916D1B682*	.15	.40	24	916D1C682*	.15	.40	24	.0068	916D1E682*	.15	.40	24	916D1F682*	.19	.53	24
.0082	916D1B822*	.15	.40	24	916D1C822*	.15	.40	24	.0082	916D1E822*	.15	.53	24	916D1F822*	.20	.53	24
.010	916D1B103*	.15	.40	24	916D1C103*	.15	.40	24	.010	916D1E103*	.15	.53	24	916D1F103*	.21	.53	24
.015	916D1B153*	.15	.40	24	916D1C153*	.15	.53	24	.015	916D1E153*	.15	.53	24	916D1F153*	.23	.53	24
.022	916D1B223*	.15	.40	24	916D1C223*	.15	.53	24	.022	916D1E223*	.18	.53	24	916D1F223*	.25	.69	24
.033	916D1B333*	.15	.53	24	916D1C333*	.18	.53	24	.033	916D1E333*	.22	.53	24	916D1F333*	.29	.69	24
.047	916D1B473*	.15	.53	24	916D1C473*	.21	.53	24	.047	916D1E473*	.26	.53	24	916D1F473*	.34	.69	22
.068	916D1B683*	.16	.53	24	916D1C683*	.24	.53	24	.068	916D1E683*	.31	.53	24	916D1F683*	.32	.95	22
.082	916D1B823*	.18	.53	24	916D1C823*	.26	.53	24	.082	916D1E823*	.28	.65	24	916D1F823*	.34	.95	22
.10	916D1B104*	.20	.53	24	916D1C104*	.29	.53	24	.10	916D1E104*	.30	.65	22	916D1F104*	.37	.95	22
.15	916D1B154*	.24	.53	24	916D1C154*	.28	.65	24	.15	916D1E154*	.37	.65	22	916D1F154*	.45	.95	22
.22	916D1B224*	.28	.53	24	916D1C224*	.29	.78	24	.22	916D1E224*	.39	.78	22	916D1F224*	.46	1.25	20
.33	916D1B334*	.28	.65	24	916D1C334*	.36	.78	22	.33	916D1E334*	.48	.78	20	916D1F334*	.55	1.25	20
.47	916D1B474*	.29	.78	24	916D1C474*	.38	.90	22	.47	916D1E474*	.43	1.15	20	916D1F474*	.65	1.25	20
.68	916D1B684*	.35	.78	22	916D1C684*	.39	1.15	22	.68	916D1E684*	.49	1.15	20	916D1F684*	.63	1.75	20
.82	916D1B824*	.38	.78	22	916D1C824*	.43	1.15	22	.82	916D1E824*	.55	1.15	20	916D1F824*	.69	1.75	20
1.0	916D1B105*	.31	1.15	22	916D1C105*	.47	1.15	22	1.0	916D1E105*	.54	1.40	20	916D1F105*	.75	1.75	20
2.0	916D1B205*	.43	1.15	22	916D1C205*	.57	1.40	20	2.0	916D1E205*	.68	1.65	20	916D1F205*	.96	1.96	20
5.0	916D1B505*	.55	1.65	20	916D1C505*	.74	1.90	20	5.0	916D1E505*	.98	1.90	20	916D1F505*	1.24	2.75	20
10.0	916D1B106*	.70	1.90	20	916D1C106*	1.05	1.90	20	10.0	916D1E106*	1.38	1.90	20	916D1F106*	1.58	3.25	18
15.0	916D1B156*	.86	1.90	20	916D1C156*	1.31	1.90	20	33.0	916D1E336*	2.00	3.00	18	916D1F336*	2.54	4.00	18
20.0	916D1B206*	.99	1.90	20	916D1C206*	1.48	1.90	20	56.0	916D1E566*	2.60	3.00	18	916D1F566*	3.30	4.00	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