electrocube
... it's a part of what we do.

Polyester (Mylar) and Foil

Type PM Retro Capacitors

Proudly made in the U.S., the Electrocube Type PM Retro series is part of a designated line of capacitors, specially optimized for the high-end audio industry using design and manufacturing techniques proprietary to Electrocube. Its polyester build creates unique characteristics for high performance and long life. Offered in a wide range of sizes and configurations, the Type PM Retro series results in original vintage tones for guitars and amplifiers preferred by audio engineers in professional, commercial stage and studio use.

Type PM Retro Series
Available in non-inductively wound extended foil construction with standard tin-coated, oxygen-free solid copper leads

Specifications

Temperature range

- -55°C to +85°C at rated voltage
- Up to +125°C with 50% voltage derating

Dielectric strength

- Will withstand 200% at rated voltage and 25°C for a period not to exceed 1 minute
- Current limited to 5 mA

Life test

- Will withstand rated voltage for 250 hours at +125°C with not more than 1 failure in 12 permitted

Dissipation factor

- Will not exceed 0.5% at 25°C

Dielectric absorption

- Will not exceed 0.5% 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 over 1 mfd.

Insulation resistance

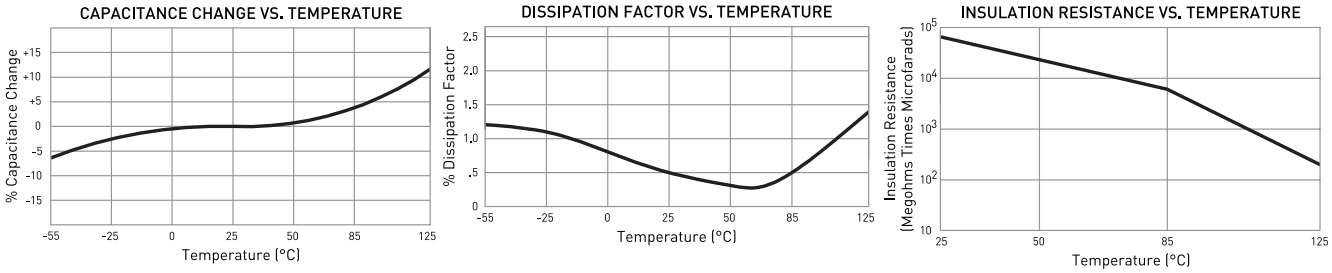
- At rated voltage or 500 V, whichever is less, units will meet minimum values as follows:

TEMP. (°C)	MEG X MFD.	MEG (need not exceed)
	200 V – UP	200 V – UP
25	40,000	80,000
85	4,000	8,000
125	80	80

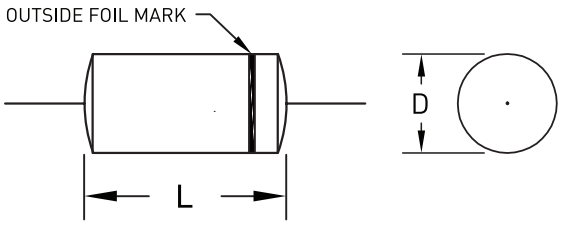
Features

- Tolerances available to 5%
- Voltages available from 200 VDC to 600 VDC
- Molded enclosure with epoxy fill
- 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
- 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)

Typical Dielectric Characteristic Curves



Round Configuration



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

LEAD LENGTH: 2.0" ±.50"

200 VOLT DC					400 VOLT DC				600 VOLT DC			
MFD.	PART NO.	DIMENSIONS D	DIMENSIONS L	LEAD SIZE (AWG)	PART NO.	DIMENSIONS D	DIMENSIONS L	LEAD SIZE (AWG)	PART NO.	DIMENSIONS D	DIMENSIONS L	LEAD SIZE (AWG)
.0010	PMD1C102*	.31	1.00	24	PMD1E102*	.31	1.00	24	PMD1F102*	.31	1.00	24
.0015	PMD1C152*	.31	1.00	24	PMD1E152*	.31	1.00	24	PMD1F152*	.31	1.00	24
.0022	PMD1C222*	.31	1.00	24	PMD1E222*	.31	1.00	24	PMD1F222*	.31	1.00	24
.0033	PMD1C332*	.31	1.00	24	PMD1E332*	.31	1.00	24	PMD1F332*	.31	1.00	24
.0047	PMD1C472*	.31	1.00	24	PMD1E472*	.31	1.00	24	PMD1F472*	.31	1.00	24
.0068	PMD1C682*	.31	1.00	24	PMD1E682*	.31	1.00	24	PMD1F682*	.31	1.00	24
.010	PMD1C103*	.31	1.00	24	PMD1E103*	.31	1.00	24	PMD1F103*	.31	1.00	24
.015	PMD1C153*	.31	1.00	24	PMD1E153*	.31	1.00	24	PMD1F153*	.31	1.00	24
.022	PMD1C223*	.31	1.00	24	PMD1E223*	.31	1.00	24	PMD1F223*	.38	1.00	22
.033	PMD1C333*	.31	1.00	24	PMD1E333*	.38	1.00	24	PMD1F333*	.38	1.00	22
.047	PMD1C473*	.31	1.00	24	PMD1E473*	.38	1.00	22	PMD1F473*	.50	1.00	22
.068	PMD1C683*	.31	1.00	24	PMD1E683*	.50	1.00	22	PMD1F683*	.50	1.25	20
.10	PMD1C104*	.38	1.00	24	PMD1E104*	.50	1.00	22	PMD1F104*	.63	1.25	20
.15	PMD1C154*	.38	1.00	22	PMD1E154*	.50	1.25	20	PMD1F154*	.63	1.50	20
.22	PMD1C224*	.50	1.00	22	PMD1E224*	.63	1.25	20	PMD1F224*	.75	1.50	20
.33	PMD1C334*	.50	1.25	20	PMD1E334*	.63	1.50	20	PMD1F334*	.75	1.75	18
.47	PMD1C474*	.50	1.25	20	PMD1E474*	.75	2.00	18	PMD1F474*	1.00	2.00	18
.68	PMD1C684*	.63	1.25	20	PMD1E684*	.75	2.00	18	PMD1F684*	–	–	–
1.0	PMD1C105*	.75	1.50	20	PMD1E105*	1.00	2.00	18	PMD1F105*	–	–	–
1.5	PMD1C155*	.75	1.50	20	PMD1E155*	1.00	2.00	18	PMD1F155*	–	–	–
2.0	PMD1C205*	1.00	2.00	18	PMD1E205*	1.00	2.38	18	PMD1F205*	–	–	–
2.2	PMD1C225*	1.00	2.00	18	PMD1E225*	1.00	2.38	18	PMD1F225*	–	–	–

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

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

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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**