

Paper (Kraft) and Foil Type AM Retro Capacitors

Proudly made in the U.S., the Electrocube Type AM Retro series offers authentic, old-style soft sound. Audio engineers prefer its original vintage tones for guitars and amplifiers. The paper, oil-filled construction creates its unique high performance and long life characteristics. Available in a wide range of sizes and configurations, the Type AM 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.

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 1.0% at 25°C

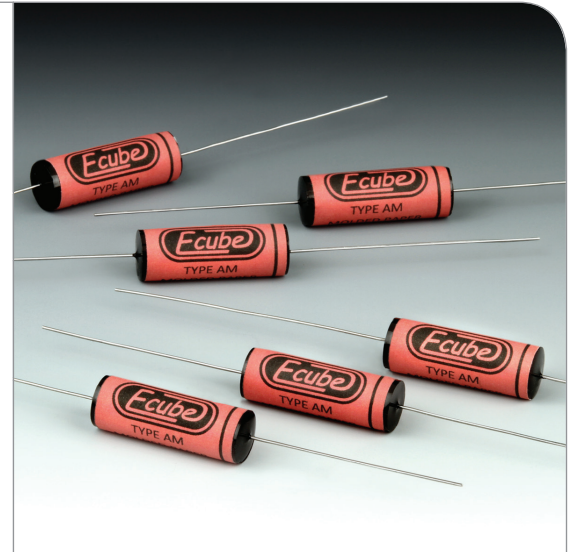
Acceptance criteria

- ■ ■ 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	250	1500
85	25	500
125	2.5	50



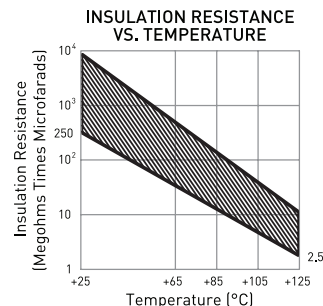
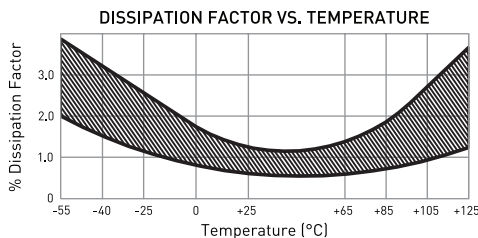
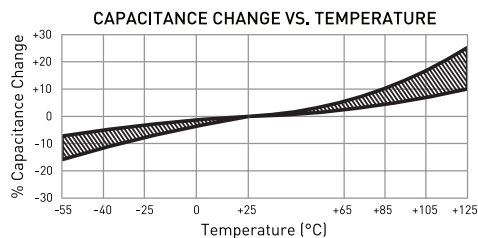
Type AM Retro Series

Available in non-inductively wound extended foil construction with oil-fill and standard tin-coated, oxygen-free solid copper leads

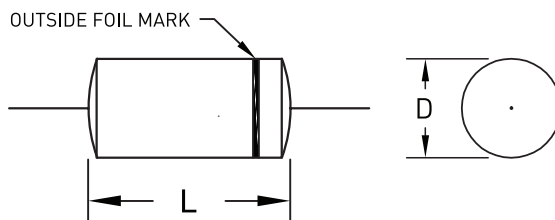
Features

- ■ ■ Tolerances available to 10%
- ■ ■ 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		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)	PART NO.	DIMENSIONS		LEAD SIZE (AWG)
		D	L			D	L			D	L	
.0010	AMD1C102*	.31	1.00	24	AMD1E102*	.31	1.00	24	AMD1F102*	.31	1.00	24
.0015	AMD1C152*	.31	1.00	24	AMD1E152*	.31	1.00	24	AMD1F152*	.31	1.00	24
.0022	AMD1C222*	.31	1.00	24	AMD1E222*	.31	1.00	24	AMD1F222*	.31	1.00	24
.0033	AMD1C332*	.31	1.00	24	AMD1E332*	.31	1.00	24	AMD1F332*	.31	1.00	24
.0047	AMD1C472*	.31	1.00	24	AMD1E472*	.31	1.00	24	AMD1F472*	.31	1.00	24
.0068	AMD1C682*	.31	1.00	24	AMD1E682*	.31	1.00	24	AMD1F682*	.31	1.00	24
.010	AMD1C103*	.31	1.00	24	AMD1E103*	.31	1.00	24	AMD1F103*	.31	1.00	24
.015	AMD1C153*	.45	1.25	24	AMD1E153*	.45	1.25	24	AMD1F153*	.45	1.25	24
.022	AMD1C223*	.45	1.25	24	AMD1E223*	.45	1.25	24	AMD1F223*	.45	1.25	22
.033	AMD1C333*	.45	1.25	24	AMD1E333*	.45	1.25	24	AMD1F333*	.45	1.25	22
.047	AMD1C473*	.45	1.25	24	AMD1E473*	.45	1.25	22	AMD1F473*	.45	1.25	22
.050	AMD1C503	.45	1.25	24	AMD1E503	.45	1.25	22	AMD1F503	.50	1.50	20
.068	AMD1C683*	.45	1.25	24	AMD1E683*	.45	1.25	22	AMD1F683*	.50	1.50	20
.10	AMD1C104*	.45	1.25	24	AMD1E104*	.45	1.25	22	AMD1F104*	.63	1.50	20
.15	AMD1C154*	.45	1.25	22	AMD1E154*	.45	1.50	20	AMD1F154*	.63	1.50	20
.22	AMD1C224*	.50	1.50	22	AMD1E224*	.75	1.50	20	AMD1F224*	1.00	2.00	20
.33	AMD1C334*	.50	1.50	20	AMD1E334*	.75	1.50	20	AMD1F334*	1.00	2.00	18
.47	AMD1C474*	.75	1.50	20	AMD1E474*	.75	1.50	18	AMD1F474*	1.00	2.00	18
.68	AMD1C684*	.75	1.50	20	AMD1E684*	1.00	2.00	18	AMD1F684*	1.00	2.00	18
1.0	AMD1C105*	1.00	2.00	20	AMD1E105*	1.00	2.00	18	AMD1F105*	1.25	2.25	18
1.5	AMD1C155*	1.00	2.00	20	AMD1E155*	1.00	2.00	18	AMD1F155*	1.50	2.25	18
2.0	AMD1C205*	1.00	2.00	18	AMD1E205*	1.25	2.38	18	AMD1F205*	1.75	2.25	18
2.2	AMD1C225*	1.00	2.00	18	AMD1E225*	1.25	2.38	18	AMD1F225*	1.75	2.25	18

* Add tolerance designator to complete part number: 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