Metallized Polypropylene & Polytetrafluoroethylene (Teflon®)
900D Hybrid Series Capacitors

The Electrocube 900D Hybrid series is a non-inductively wound Polypropylene and Teflon® dielectric audio capacitor. Proudly made in the U.S. with proprietary winding and assembly techniques, the series offers low ESR and high current operation in a small package. The 900D Hybrid series is manufactured with high-grade materials and part of a designated line of capacitors, specially optimized for high-end, professional, commercial, and studio audio applications subject to AC and pulsing signals. The result is a rich and true-to-life sound that's clean and distortion-free – and preferred by high-end audio engineers and discriminating musicians alike.

**Typical Dielectric Characteristic Curves**

**Features**

- Extended electrode construction and standard tin-coated, oxygen-free solid copper leads
- Tolerances available to ±5%, ±10%, ±20%
- 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 500 KHz
- 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 readily available
- 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

*Teflon®* is a registered trademark of the DuPont™ Company.
Specifications

Temperature range
-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 +0.062".

600 VOLT DC

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* 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.