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FOR IMMEDIATE RELEASE

Ruggedized Axial-Leaded Aluminum Electrolytic Capacitor Performs to +175 °C without Derating

Designed for long life in harsh conditions with high capacitance at +175 °C, up to 20g vibration. Features glass-to-metal seal technology.

Liberty, SC – June 6, 2017 – Cornell Dubilier Electronics, Inc. (CDE) has announced a new line of axial-lead aluminum electrolytic capacitors, for applications demanding very high-performance under all operating conditions. The HHT is the only axial-lead electrolytic featuring a glass-to-metal seal to prevent dry-out of the capacitor electrolyte. Shelf life is an extraordinary 10 years and operational rated life is 2,000 hours at rated voltage and +175 °C. At 150 °C and full-rated voltage, HHT capacitors outperform competitive technologies in a 5,000 hr test with ripple currents of up to 10 Arms. This level of performance makes the HHT an excellent match for high-stress applications in military, aerospace, down-hole and off-road transportation applications. Nine values are offered, from 470 µF to 4,700 µF, with ratings from 16 Vdc to 40 Vdc.

The CDE HHT Series is the only aluminum electrolytic capacitor available in the market with +175 °C performance. This is usually the domain of the considerably more expensive wet tantalum technology. The HHT's glass-to-metal seal is the reason. Without the seal, high temperatures will cause conventional electrolytics to lose electrolyte over time. This causes a drop in capacitance and an increase in ESR. With capacitance stability at high temperature, low leakage current and very competitive ESR and ripple current specifications, these devices provide new options for mission-critical applications. Like other CDE capacitors, the HHT Series is subject to the industry's most rigorous dynamic testing. The 20g vibration testing follows procedures outlined in MIL-STD-202, method 204.

HHT case diameter is a low-profile 20 mm for all values, with length varying from 37 to 53 mm depending on values. The axial lead wires are a substantial 18 AWG. They are RoHS compliant and free of conflict materials.

Since its founding in 1909, CDE has been dedicated to advancing capacitor technology for new applications. The company combines innovative products with engineering expertise to provide reliable component solutions for inverters, wind and solar power, electric vehicles, power supplies, motor drives, HVAC, motors, welding, aerospace, telecom, medical equipment and UPS systems.

A global company, Cornell Dubilier has ISO-9001 certified manufacturing and distribution facilities in Liberty, SC; New Bedford, MA; Mexicali, Mexico; and Hong Kong.

CDE's HHT aluminum electrolytic capacitors are available from major distributors. For inquiries, contact: Mario DiPietro, Product Marketing Manager, mdipietro@cde.com, (864) 843-2277 ext. 2395. For more information on this series visit: www.cde.com/HHT

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