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ELECTRONIC PRODUCTS MAGAZINE SELECTS CDE THA/THAS THINPACK CAPACITORS AS PASSIVES PRODUCT OF THE YEAR



Liberty, SC (January 3, 2019) **THA/THAS Series Thinpack electrolytic capacitors have been selected as Product of the Year winner for the Passives category.** According to *Electronic Products*, “The annual awards, now in its 43rd year, recognizes outstanding products that represent any of the following qualities: a significant advancement in a technology or its application, an exceptionally innovative design, a substantial achievement in price/performance, improvements in design performance, and a potential for new product designs/opportunities.”

Cornell Dubilier Electronics, (CDE) described the award-winning capacitors as a new development in aluminum electrolytic technology, with very high energy density, in thin-profile packages. The 85°C **THA Series Thinpack capacitors** are only 8.2 mm thick, while the 105°C THAS Series offers a 9-mm profile. This is comparable in height to surface mount and axial leaded electrolytics, but with much higher bulk-storage capability in a single package.

The THA/THAS components offer very high energy density, up to 1.1 J/cc and up to 0.9 J/cc, respectively. The capacitance range for both series is 60 μF to 18,000 μF with a voltage range of 10 Vdc to 450 Vdc. Unlike traditional cylindrical electrolytics, the THA/THAS capacitors have a laser-welded case which eliminates the need for end-seal gaskets. This sealing method allows for much higher energy density over conventional electrolytics and extends life by preventing the loss of electrolyte.

A single THA/THAS capacitor can replace an array of SMT, axial or radial aluminum electrolytics. That substitution can allow engineers to design smaller products with simplified assembly and higher reliability. In most applications, there are significant cost, weight, and space savings versus a comparably rated bank of SMT or axial aluminum electrolytic

capacitors. This can allow a board space reduction of 70%, as well as improved overall circuit reliability, thanks to the lower component count and fewer connection points.

The THA/THAS capacitors are a good fit for a variety of high-performance electronics, including tablets, laptops, instrumentation, commercial-grade LED driver modules, compact power supplies, drones and RPVs, set-top boxes, and 1U rack-mounted devices.

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 THA and THAS Thinpack aluminum electrolytic capacitors are available from the company's distributors. For inquiries, contact: Mario DiPietro Product Marketing Manager, mdipietro@cde.com, [\(864\) 843-2277 ext. 2395](tel:(864)843-2277). For more information on this series visit: <http://www.cde.com/THA/THA.htm>

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