



PRESS RELEASE

Artesyn Launches 700 Watt Power Output Half Brick DC-DC Converter Module with 28 V Output for Telecom and Wireless Applications

Tempe, Ariz. [6 December, 2016] — Artesyn Embedded Technologies today launched a new 700 watt half brick dc-dc converter module, the [ADH700 series](#). The first model available offers a 28 V nominal output and is designed to support the popular use of LDMOS technology used in high power wireless base station (BTS) deployments. LDMOS stands for laterally diffused metal oxide semiconductor and is a dominant device technology used in high-power RF power amplifier (PA) applications for cellular infrastructure.

The ADH700 series nominal 28 V model can deliver up to 28.A output current and offers a wide trim range of 14 V to 33 V. Housed in the industry standard half-brick format (2.4 x 2.3 inches or 61.0 x 57.9 mm) the ADH700 series is just 0.5 inch or 12.7 mm high. The dc-dc converter series offers greater than 95 percent typical efficiency and a wide input range of 36 to 65 V. An aluminum baseplate structure gives ADH700 series modules excellent thermal performance. The 28 V model can operate between minus 40 and plus 85 degrees Celsius ambient temperature, and can continue to operate at full power up to 100 degrees Celsius baseplate temperature – all without air cooling. The conversion technology employs 280 kHz fixed-frequency switching to help minimize external EMI filtering requirements.

Other features include remote enable, remote output sense and trim with protection features such as input under voltage lockout, output over current protection, output over voltage protection, and over temperature protection. No minimum load requirement helps to increase reliability and contributes to an MTBF of 2 million hours (calculated according to Telcordia SR-332-2006).

About Artesyn Embedded Technologies

Artesyn Embedded Technologies is a global leader in the design and manufacture of highly reliable power conversion and embedded computing solutions for a wide range of industries including communications, computing, medical, military, aerospace and

industrial. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective advanced network computing and power conversion solutions. Artesyn has over 20,000 employees worldwide across ten engineering centers of excellence, four world-class manufacturing facilities, and global sales and support offices.

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