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See StratEdge at the Compound Semiconductor IC Symposium in Monterey, CA and IMAPS 2008 International Symposium on Microelectronics in Providence, RI

For Immediate Release

Photo available at <https://www.stratedge.com/560134.jpg>

StratEdge Introduces a Family of X-Band High Power Amplifiers in Surface Mount Packages

San Diego, Calif – September 10, 2008 – StratEdge, leader in the design and production of semiconductor packages for microwave, millimeter-wave, and high speed digital devices, announces it is offering packaged high power amplifier MMICs for 8 to 12 GHz (X-Band) applications. The StratEdge new family of packaged amplifiers covers the full X-Band range in three separate bands. StratEdge part number 560134, which is for 9 – 10.5 GHz applications, provides 37dBm output power and 40% power added efficiency (PAE) for bias of 7V, 1.4A. The typical gain is 18dB. The other members of the family are StratEdge part number 560141 for 7 – 8.5 GHz and 560142 for 10.5 – 12 GHz. The StratEdge SMX 580448 ceramic surface mount package is used to package all of the devices, which are fabricated by a leading United States GaAs foundry.

The StratEdge SMX 580448 is a surface mount package with excellent thermal properties. It provides good electrical transition performance for die in the X-Band range. The package has a copper composite base that enhances thermal dissipation. Though sealed with epoxy and a liquid crystal polymer lid, it will pass fine and gross leak hermeticity testing per MIL-STD-883. The assembly process, including eutectic and epoxy component attach, gold wire bonding, lid seal, lead trim, electrical test, labeling, and delivery preparation, is performed at StratEdge headquarters in San Diego, California.

”We packaged the MMICs and tested them in a custom fixture to verify electrical performance,” said Casey Krawiec, VP of North American Sales for StratEdge. ”Providing a good heatsink is critical for optimal performance. As an aid to our customers, we’ll provide a CAD file with our recommend LAND pattern for their boards.”

This family of packaged devices is ideally suited for point-to-point radios and base stations. They are lead-free and RoHS compliant. Other versions with fully hermetic soldered metal lids are available. Prices for StratEdge X-band power amplifier packages are around \$259 at 500 units. Individual part pricing and leadtime may vary due to order configuration and shipping destination.

About StratEdge

StratEdge, founded in 1992, designs, manufactures, and provides test and assembly services for a complete line of high performance semiconductor packages operating from DC to 50+ GHz for the high speed digital (OC-48, OC-192, OC-768), mixed signal, broadband wireless, satellite, point-to-point/multipoint, VSAT, and test and measurement industries, as well as aerospace stripline filters. StratEdge offers ceramic, low cost molded ceramic and metal packages. All packages are lead-free and most meet RoHS and WEEE standards. For more information contact StratEdge at 866-424-4962, email: info@stratedge.com, or visit our website at www.stratedge.com.

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