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**FOR IMMEDIATE RELEASE**

**Mimix Broadband, Inc. Introduces 13.5-17.0 / 27.0-34.0 GHz GaAs MMIC Doubler  
with Integrated Gain, Doubler and Driver Stages**

*Self-Biased Doubler Delivers +20 dBm Pout and 35 dBC Fundamental Suppression*

**December 6, 2007, Houston, Texas** – Mimix Broadband, Inc. introduces an active doubler in an RoHS compliant 3X3mm plastic QFN package that delivers +20 dBm output saturated power (Pout) and 35 dBc fundamental suppression. Using 0.15 micron gate length GaAs pseudomorphic high electron mobility transistor (pHEMT) device model technology, the doubler covers the 13.5-17.0 / 27.0-34.0 GHz frequency bands and integrates a gain stage, passive doubler and driver amplifier onto a single device. Identified as XX1007-QT, this device is well suited for VSAT, millimeter-wave Point-to-Point Radio, LMDS or SATCOM applications. The XX1007-QT includes on-chip ESD protection and an integrated bypassing capacitor, eliminating the need for any external components. The device has a self-bias configuration, requiring only a positive 5V supply.

“The high level of integration coupled with a standard 3X3mm plastic QFN package offers our customers an optimal cost effective solution, saving precious board area and component count,” stated Amer Droubi, Product Manager, Mimix Broadband, Inc. “Eliminating the need for negative voltage supply and external bypassing elements simplifies our customers’ PCB layout and reduces their time to market. The high output power of the XX1007-QT makes it ideal as a driver stage to the final output power amplifier in VSAT transmit systems.”

Mimix performs 100% RF testing on the XX1007-QT. Production quantities are available today from stock. Technical support is also available from Mimix’s applications engineers at 281.988.4600. The datasheet and additional product information can be obtained from the Mimix Broadband website at [www.mimixbroadband.com](http://www.mimixbroadband.com).

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Mimix Broadband, Inc. Introduces  
13.5-17.0 / 27.0-34.0 GHz Active Doubler

*About Mimix*

Mimix Broadband, Inc., an ISO 9001-registered company, designs, develops and supplies high performance gallium arsenide (GaAs) semiconductors from DC to 50 GHz for microwave and millimeter-wave wireless communications applications – as bare die or in surface mount packages. Mimix has assembled a team of world-class scientists focused on the development of state-of-the-art semiconductors for the last decade. The Company also leverages strategic partnerships for manufacturing, in order to expedite the time-to-market cycle and meet market requirements. Due in part to its acquisition of Celeritek, Mimix offers a highly diversified product line that serves the top tier telecom, satellite and defense companies. Mimix combines its design capabilities in complete communications systems with semiconductor device expertise to deliver innovative solutions for the most challenging applications. For additional information, please visit [www.mimixbroadband.com](http://www.mimixbroadband.com).

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