

Press Release

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IXYS Announces New High Linearity Power Amplifiers for 4.4 to 5.1 GHz Frequency Band

Fremont, CA. September 23, 2010 — MicroWave Technology, Inc. (MwT), a wholly owned subsidiary of IXYS Corporation (NASDAQ:IXYS), announced that it has introduced a family of three GaAs and GaN based high linearity RF power amplifier products with various power levels. These new power amplifiers, targeted at the emerging applications for the 4.4 to 5.1 GHz frequency band, are WPS-445133-02, WPS-444924-02, and MGA-444940-02.

The WPS-445133-02 has 2W output power at 1dB gain compression point and 26 dBm linear output power (burst power) at 2.5% EVM (Error-Vector-Magnitude) under the 64 QAM 802.11 digital signal modulation scheme. This multiple-stage power amplifier has 33 dB of gain. The WPS-444924-02 produces 4W output power at 1dB gain compression point and 29 dBm linear output power at 2% EVM with 10 dB gain. As a GaN based high power amplifier that requires 28 Volts on the drain bias, the MGA-444940-02 achieves 10W output power at 2dB gain compression point and 33 dBm linear power at 2.5% EVM with 12 dB gain. The power added efficiency at 2W linear power level for this power amplifier is as high as 20%.

These three power amplifiers have excellent RF performance and are ideal for the emerging applications in the 4.4 to 5.1 GHz frequency band, including telemetry, dedicated high data rate wireless network, point to point wireless communications, military wireless communications, etc. All three power amplifiers are fully matched for both input and output terminals for easy cascade and are packaged in the low cost MwT - 02 surface mount package with RoHS compliance. The MTBF (mean-Time-Before-Failure) for these microwave/RF power amplifiers is over 100 years at 85 degrees Centigrade ambient temperature. Evaluation boards for the power amplifiers in 02 packages are available now. For detailed datasheets of these power amplifiers and evaluation boards please go to MwT's web site www.mwtinc.com. Contact MwT Sales at info@mwtinc.com or call 510-651-6700 for sample request and price quote.

About IXYS Corporation

IXYS Corporation makes and markets technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS offers a diversified product base that addresses

worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, electronic displays and RF power.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, advantages, rating, availability, reliability, efficiency and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the fiscal quarter ended June 30, 2010. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.