

RFM News Release

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RFM EXPANDS LOW-POWER RFIC LINE BY ADDING NEW 300 MHz to 510 MHz TRC105

DALLAS, TEXAS, (September 23, 2009) RF Monolithics, Inc. (RFM. [NASDAQ: RFMI]) announced at the ESC Boston 2009 Conference today the expansion of the company's low-power short-range radio RFIC line with the addition of the new 300 MHz to 510 MHz TRC105 transceiver radio. The TRC105 is ideal for enabling two-way wireless communications in a wide range of applications including AMR (Automated Meter Reading), Medical (MICS), Home & Industrial Automation, Security Systems, Two-Way RKE (Remote Keyless Entry), Automobile Immobilizers, Asset Tracking Systems, Sports & Recreation Equipment, Low Power Two-Way Telemetry Systems, Wireless Toys, and Controlled Entry/Access. RFM is showcasing the new TRC105 in the company's booth # 815 at the Hynes Convention Center in Boston September 22-23, 2009.

“The TRC105 has been a much anticipated addition to RFM's OOK / FSK RFIC family of products as it enables RFM to offer a wide range of frequencies in a single footprint with the same PIN configuration and the same ultra-low-power functionality as the RFM TRC103 transceiver,” said Larry Miller, RFM Director of Product Marketing for Short-Range Radio Products.

RFM's OOK / FSK RFICs are FHSS capable, multi-channel and are packaged in a 5 mm X 5 mm plastic package. The TRC105 operates across the full 300 – 510 MHz range and Development Kits are available in eight frequency bands: 303-307 MHz, 310-319 MHz, 342-348 MHz, 365-381 MHz, 382-398 MHz, 402-407 MHz, 416-436 MHz, and 447-451 MHz, whereas the TRC103 is available in three frequency bands: 863–870 MHz (ETSI), 902–928 MHz (FCC), and 950–960 MHz (Japan).

Best-in-Class Benefits

Demonstrating best-in-class leadership, the RFM TRC105 offers original equipment manufacturers (OEMs) the following benefits:

- 1) Low Current consumption in receive mode. Most applications require the radio to listen more than transmit. With the TRC105, receiver current is 3.5 mA typical and can be reduced as low as 2.7 mA.
- 2) Excellent Receiver Sensitivity at -112 dBm typical (FSK)
- 3) Programmable Transmit Power up to +13 dBm
- 4) Radio will allow microcontroller to sleep until data is received that requires processing
- 5) Transmit/Receive FIFO can be loaded/unloaded with radio in sleep mode, programmable TX/RX FIFO at 64 byte
- 6) Transmit at high data rate 32 kb/s OOK and 200 kb/s FSK to reduce transmitter on time and save power
- 7) Utilizing the RSSI in Receive mode, the Transmit power can be adjusted to maintain the data link and maximize power consumption

8) Low price – the price of the TRC105 starts at \$2.23 each at a minimum quantity of 3,000 units.

Volume discounts are available.

The TRC105 product line includes developer kits that are available for the major frequency ranges. The TRC105 developer kits are priced at \$280 each and will be available by the end of October 2009 from RFM distributors ACAL, Avnet, Digi-Key, Mouser Electronics, and Nu Horizons, and by order from RFM's world-wide network of stocking reps / distributors outside of North America.

About RFM

RFM, headquartered in Dallas, Texas, is a provider of solutions-driven, technology-enabled wireless connectivity for a broad range of wireless applications – from individual standard and custom components to modules for comprehensive industrial wireless sensor networks and machine-to-machine (M2M) technology. For more information on RFM, please visit the Company's website at www.RFM.com.

Forward-Looking Statements

This news release contains forward-looking statements, made pursuant to the Safe Harbor Provision of the Private Securities Litigation Reform Act of 1995, that involve risks and uncertainties. Statements of the plans, objectives, expectations and intentions of RFM and/or its wholly-owned subsidiaries (collectively, the "Company" or "we") involve risks and uncertainties. Statements containing terms such as "believe", "expect", "plan", "anticipate", "may" or similar terms are considered to contain uncertainty and are forward-looking statements. Such statements are based on information available to management as of the time of such statements and relate to, among other things, expectations of the business environment in which we operate, projections of

future performance, perceived opportunities in the market and statements regarding our mission and vision. Such statements are not guarantees of future performance and involve certain risks, uncertainties and assumptions, including risks related to economic conditions as related to our customer base, collection of receivables from customers who may be affected by economic conditions, our bankers willingness to work with us in structuring credit facilities as needed, maintaining favorable terms of sales with suppliers, the highly competitive market in which we operate, rapid changes in technologies that may displace products sold by us, declining prices of products, our reliance on distributors, delays in product development efforts, uncertainty in consumer acceptance of our products, and changes in our level of sales or profitability, as well as the other risks detailed from time to time in our SEC reports, including the report on Form 10-K for the year ended August 31, 2008. We do not assume any obligation to update any information contained in this release.

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