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NEWS RELEASE

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## **Richardson RFPD Introduces New DC-8 GHz 1 W GaAs Power Amplifier from Microsemi**

*Wideband PA chip maintains flat gain of 17 dB and OIP3 of +43 dBm from DC to 8 GHz*

**March 5, 2019 – Geneva, Ill.:** Richardson RFPD, Inc. announced today the availability and full design support capabilities for a new power amplifier from Microsemi Corporation, a Microchip Company.

The [MMA053AA](#) is a gallium arsenide (GaAs) monolithic microwave integrated circuit (MMIC) pHEMT distributed power amplifier die that operates between DC and 8 GHz. The amplifier provides 17 dB of gain, +43 dBm output IP3, and +31 dBm of output power at 3 dB compression, while requiring only 410 mA from an 11 V supply.

Gain flatness over the DC to 8 GHz frequency range varies by only  $\pm 0.5$  dB, making the MMA053AA die ideal for EW, ECM, radar, and test equipment applications.

The MMA053AA amplifier features compact die size (3 mm x 2.25 mm x 0.07 mm) and I/Os that are internally matched to 50  $\Omega$ , facilitating easy integration into multi-chip modules (MCMs).

The [MMA053AA](#)'s leading performance capabilities offer customers a way to meet demanding system and module line-up requirements with minimal DC power consumption.

To find more information, or to purchase this product today online, please visit the [MMA053AA](#) webpage. The device is also available by calling 1-800-737-6937 (within North America); or please find your local sales engineer (worldwide) at [Local Sales Support](#). To learn about additional products from Microsemi, please visit the [Microsemi storefront](#) webpage.

### **About Richardson RFPD**

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF, wireless, IoT and power technologies markets. It brings relationships with many of the industry's top radio frequency and power component suppliers. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team



provide comprehensive support for customers' go-to-market strategy, from prototype to production. More information is available online at [www.richardsonrfpd.com](http://www.richardsonrfpd.com).

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