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NEWS RELEASE

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Richardson RFPD Introduces New DC-12 GHz Reflective 10 W SPDT from UMS

Features broadband performance and a robust 0.25 μ m gate length GaN/SiC pHEMT process

September 19, 2018 – Geneva, Ill.: Richardson RFPD, Inc. announced today the availability and full design support capabilities for a new reflective SPDT switch amplifier from United Monolithic Semiconductors S.A.S. (UMS).

The [CHS7012-99F](#) is a monolithic FET-based, reflective switch amplifier that operates in the DC–12 GHz frequency band. It is designed for a wide range of applications, from military to commercial communication systems.

The new device is developed on a robust 0.25 μ m gate length GaN/SiC pHEMT process and is available as bare die.

Additional key features of the [CHS7012-99F](#) include:

- Insertion loss: 1.4 dB
- Isolation: 35 dB
- Input power at 1 dB compression (P1dB): +40.5 dBm
- Switching time: 20 ns
- Control: -25 V / 0 V
- Chip size: 1.15 mm x 1.65 mm x 0.1 mm

To find more information or to purchase this product today online, please visit the [CHS7012-99F](#) 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 UMS, please visit the [UMS storefront](#) webpage.

About Richardson RFPD

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF and wireless communications, power conversion and renewable energy 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.

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