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NEWS RELEASE

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## Richardson RFPD Introduces New Fast MRI Protection Diode from MACOM

*MADP-009989 designed to protect MRI receivers from high RF energy fields*

**July 31, 2018 – Geneva, Ill.:** Richardson RFPD, Inc. announced today the availability and full design support capabilities for a new diode for MRI applications from MACOM Technology Solutions Inc.

The [MADP-009989](#) diode was designed to protect MRI receivers from high RF energy fields, including long RF pulses and RF spike pulses present in most MRI machines. This diode acts as a passive protector (limiter) for the MRI receiver. No forward bias voltage is required to turn-on the diode. It is self-biased by the RF transmitter pulse power. A switch driver is not needed for this receiver protection application.

The new diode is available in two package configurations for flexibility in design. It is ideally suited for MRI receiver protection and body coil isolation applications.

Additional key features of the [MADP-009989](#) include:

- Package configuration options: surface mount, axial lead
- Passivated chip
- Ultra-low magnetic construction
- Non-cavity design
- Thermally-matched configuration
- Low capacitance @ 0 V bias: 1.2 pF (typical)
- Low conductance @ 0 V bias: 40  $\mu$ s (maximum)
- Compatible with automatic insertion equipment

To find more information, or to purchase this product today online, please visit the [MADP-009989](#) webpage. The device is also available by calling 1-800-737-6937 (within North America); or please find a local sales engineer (worldwide) at [Local Sales Support](#). To learn about additional products from MACOM, please visit the [MACOM 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](http://www.richardsonrfpd.com).

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