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NEWS RELEASE

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Richardson RFPD Announces Availability of DOCSIS-Compliant Switch from pSemi

SPDT RF switch delivers high linearity in the 5–1794 MHz band

June 7, 2022 – GENEVA, III.: Richardson RFPD, Inc., an Arrow Electronics company, announced today the availability and full design support capabilities for a new UltraCMOS® SPDT RF switch from pSemi Corporation.

The [PE42726](#) is a HaRP™ technology-enhanced reflective SPDT RF switch designed for use in cable applications, including DOCSIS 3.0/1 cable modem, set-top box and residential gateway. It delivers high linearity, excellent harmonics performance and high surge immunity in the 5–1794 MHz band. It also features low insertion loss and high isolation performance, making the PE42726 ideal for DOCSIS 3.1 applications.

The PE42726 is manufactured on pSemi's UltraCMOS® process, a patented variation of silicon-on-insulator (SOI) technology on a sapphire substrate, offering the performance of GaAs with the economy and integration of conventional CMOS.

Additional key features of the [PE42726](#) include:

- Harmonics performance:
 - 2fo of –121 dBc @ 17 MHz
 - 3fo of –150 dBc @ 17 MHz
- Best-in-class linearity across frequency band
- Insertion loss: 0.3 dB @ 1218 MHz
- Isolation: 39 dB @ 204 MHz
- Packaging: 12-lead 3 mm x 3 mm x 0.75 mm QFN

To find more information, or to purchase this product today online, visit the [PE42726](#) webpage. The device is also available by calling 1-800-737-6937 (within North America) or find a local sales engineer (worldwide) at [Local Sales Support](#). To learn about additional products from pSemi, visit the [pSemi 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. Follow Richardson RFPD on Twitter at www.twitter.com/Richardson_RFPD. To browse and subscribe to Richardson RFPD's email newsletters, [click here](#).

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