



News from RFS

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RFS Enhances DAS Portfolio with Low PIM Directional Couplers & Power Dividers

Introduces More Cost-Effective Products to Support In-Building Wireless Applications



Meriden, CT (United States), May xx, 2014 – [Radio Frequency Systems](#) (RFS), the global wireless and broadcast infrastructure specialist, today announced the availability of new models of its [low PIM directional couplers and power dividers](#). Designed to support in-building and in-tunnel wireless applications using DAS systems, the latest products from RFS provide a cost-effective way to divide and distribute power as needed.

Optimized for PIM performance and with minimal solder joints, RFS' couplers and dividers are available in a variety of options - including two, three and four way splitting – and are ideal for use with RFS' [ICA aluminum and copper plenum-rated wideband cable](#).

RFS' directional couplers split up signals to be directed to multiple locations throughout a site, such as different floors. Unlike a power divider, directional couplers have a coupling port and can compensate for feeder cable losses at higher floors. Two, three, and four-way power dividers are also available and are typically used for equal splitting of the RF signal (usually to in-building antennas), and generally they are located downstream of the directional coupler.

“RFS is a one-stop shop for network planners and system integrators looking for a full portfolio of products to accommodate all of their in-building wireless needs,” said Matt Grella, product manager, wireless indoor solutions and transmission lines, RFS. “The release of our new couplers and dividers gives our customers more options - in multiple configurations and at the right price point.”

All of RFS' couplers and dividers are IP65 environmental class and recognized by iBwave solutions for use in telecom network planning. Models are available in both N Type and 7-16 DIN versions.



RFS Model Number	Product Description
CDS6E-698/2700	6dB Directional Coupler, 698 - 2700 MHz, 6 dB, N female, IP65, PIM 150dBc, 200W
CDS10E-698/2700	10dB Directional Coupler, 698 - 2700 MHz, 10 dB, N female, IP65, PIM 150dBc, 200W
CDS15E-698/2700	15dB Directional Coupler, 698 - 2700 MHz, 15 dB, N female, IP65, PIM 150dBc, 200W
CDS20E-698/2700	20dB Directional Coupler, 698 - 2700 MHz, 20 dB, N female, IP65, PIM 150dBc, 200W
CDS30E-698/2700	30dB Directional Coupler, 698 - 2700 MHz, 30 dB, N female, IP65, PIM 150dBc, 200W
CDS6DE-698/2700	6dB Directional Coupler, 698 - 2700 MHz, 6 dB, 7-16 female, IP65, PIM 150dBc, 500W
CDS10DE-698/2700	10dB Directional Coupler, 698 - 2700 MHz, 10 dB, 7-16 female, IP65, PIM 150dBc, 500W
CDS15DE-698/2700	15dB Directional Coupler, 698 - 2700 MHz, 15 dB, 7-16 female, IP65, PIM 150dBc, 500W
CDS20DE-698/2700	20dB Directional Coupler, 698 - 2700 MHz, 20 dB, 7-16 female, IP65, PIM 150dBc, 500W
CDS30DE-698/2700	30dB Directional Coupler, 698 - 2700 MHz, 30 dB, 7-16 female, IP65, PIM 150dBc, 500W
PDS2E-698/2700	2 Way Power Divider, 698 - 2700 MHz, N female, IP65, PIM 150dBc, 200W
PDS3E-698/2700	3 Way Power Divider, 698 - 2700 MHz, N female, IP65, PIM 150dBc, 200W
PDS4E-698/2700	4 Way Power Divider, 698 - 2700 MHz, N female, IP65, PIM 150dBc, 200W
PDS2DE-698/2700	2 Way Power Divider, 698 - 2700 MHz, 7-16 female, IP65, PIM 150dBc, 200W
PDS3DE-698/2700	3 Way Power Divider, 698 - 2700 MHz, 7-16 female, IP65, PIM 150dBc, 200W
PDS4DE-698/2700	3 Way Power Divider, 698 - 2700 MHz, 7-16 female, IP65, PIM 150dBc, 200W

About RFS

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, as well as active and passive RF conditioning modules, providing total-package solutions for outdoor and indoor wireless infrastructure. RFS serves OEMs, distributors, system integrators, operators and installers. Its customers currently include the four largest wireless carriers, the majority of tier 2 and 3 wireless carriers in North America and many of the top wireless and microwave OEMs worldwide.

For more than 70 years, RFS has provided its customers world-class service that today is backed by a global presence of nine manufacturing facilities worldwide and sales and technical support centers in 23 countries. RFS offers advanced engineering capabilities, superior field support, and expert technical assistance and training to provide scalable, flexible, future-proof and lightweight end-to-end solutions optimized across the entire RF chain. As an ISO-compliant organization, RFS solutions offer proven longevity, premium performance and unrivalled quality.



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