

Anritsu Introduces W1 Coaxial Components With Frequency Coverage from DC to 110 GHz

— New Family of High-performance Components Removes Measurement Complexity, Reduces Measurement Setup Time and Improves Accuracy —

Morgan Hill, CA – September 26, 2018 – Anritsu Company introduces W1 coaxial components that are metrology-grade designed and manufactured to deliver precision performance and repeatability for high-frequency measurements. Comprised of a W1 connectorized power splitter, power divider, directional coupler and attenuators, the new family removes measurement complexity, reduces measurement setup time, and improves accuracy, making them a superior alternative to millimeter-interfaced solutions.

Unlike other solutions that are based on banded waveguide frequencies that require a waveguide interface, the W1 components are not band limited and support a frequency range from DC to 110 GHz. The industry-best frequency coverage eliminates the need to de-embed adapters between native coaxial interface types, thereby removing the need for calibrations between coax to waveguide. The result is a solution that saves time and money, and is more efficient.

Anritsu's new W1 components include a three-resistor power divider, two-resistor power splitter and a set of attenuators that provide coverage from DC to 110 GHz, along with a 20-110 GHz directional coupler with typical performance down to 110 MHz. Because the components are designed with W1 connectors (1.0 mm compatible) intended for broadband scalability and mode-free performance to 125 GHz, measurement accuracy is improved for better device under test (DUT) characterization. They are designed to perform with excellent VSWR and low insertion loss.

The high performance of the W1 connectors makes them well-suited for a variety of high-frequency designs. They can be used for on-wafer characterization and measurements; to characterize amplifiers and sub components in automotive radar; and for instrument calibration and characterization in metrology labs.

(more)

About Anritsu

Anritsu Company is the United States subsidiary of Anritsu Corporation, a global provider of innovative communications test and measurement solutions for 120 years. Anritsu's "2020 VISION" philosophy engages customers as true partners to help develop wireless, optical, microwave/RF, and digital solutions for R&D, manufacturing, installation, and maintenance applications, as well as multidimensional service assurance solutions for network monitoring and optimization. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. The company develops advanced solutions for 5G, M2M, IoT, as well as other emerging and legacy wireline and wireless communication markets. With offices throughout the world, Anritsu has approximately 4,000 employees in over 90 countries.

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