

Anritsu Introduces Extended-K™ 43.5 GHz Connector Family

— Expanded Frequency Coverage on K Connector Provides Price and Configuration Benefits in Variety of Emerging High-frequency Applications —

Morgan Hill, CA – July 1, 2020 – Anritsu Company introduces the Extended-K™ family of connectors with mode-free and traceable performance up to 43.5 GHz. The new Extended-K family provides price and performance benefits, along with guaranteed electrical specifications, high reliability, and environmental robustness in numerous high-frequency applications, including 5G backhaul, aerospace/defense satellites, and millimeter wave (mmWave) body scanner designs. For designs and configuration that do not require frequency coverage beyond 43.5 GHz, the new flexible Extended-K connectors can serve as an alternative to retooling a test set for 2.4 mm connectors.

Performance of all Extended-K connectors is traceable to a national metrology institute. Its mode-free performance to 43.5 GHz eliminates the possibility of incorrect measurement data at a resonance point. The connectors provide true parameter performance in the proposed frequency band with a 99% level of confidence. Rated to MIL-PRF-39012 and MIL-STD-202F, the Extended-K connectors maintain their high reliability and robustness in harsh environments.

Fully operational from DC to 43.5 GHz, the Extended-K connectors remove needless costs associated with migrating from 2.92 mm to more expensive high-frequency connectors when operation past 43.5 GHz is not warranted. These new connectors can be used in a variety of applications, from component connectors to PCBs and test equipment.

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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