



10 MHz to 110 GHz Ultra-Wideband Distributed Amplifier

Eravant's SBB-011141708-1F1F-E1 is an ultra-wideband (UWB) distributed amplifier designed for operation from 10 MHz to 110 GHz. The amplifier delivers a typical gain of 17 dB up to 70 GHz, 16 dB up to 90 GHz and 10 dB up to 110 GHz. The UWB performance enables advancements for applications in 6G communications, AI research and development, high speed test and measurement, data centers and more.

The mechanical package features two standard 1.0 mm coaxial connectors as the input and output RF ports. The housing is designed

to be compatible with Eravant's proprietary Uni-Guide™ waveguide connectors, which can convert the amplifier's coaxial RF ports to standard WR-15, WR-12 or WR-10 waveguides. This offers flexibility in system implementation and custom solutions tailored to specific needs. Different port configurations are available under different model numbers.

SBB-011141708-1F1F-E1 offers the one-stop solution to various test systems, eliminating the need to swap components for measurement across different frequency bands. The amplifier can be connected to broadband VNAs such as the Rohde & Schwarz R&S®ZNA67EXT,

Keysight N5251A and Anritsu VectorStar ME7838EX to reduce errors introduced by the constant connect/disconnect motions.

As part of its mission to make mmWave technology accessible, Eravant designs high performance components and systems that reduce the barriers of cost, complexity and capability, empowering engineers to innovate faster at higher frequencies.



Eravant (Formerly Sage Millimeter Inc.)
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