



NEW PRODUCT RELEASE

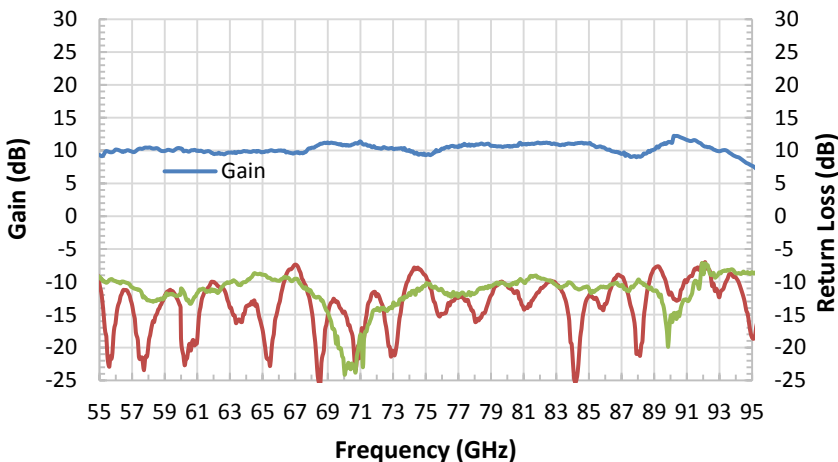
55 to 95 GHz, BroadBand Power Amplifier for Communication and Radar

For communication, radar, and test systems, SAGE Millimeter, Inc. has released a new broad band, power amplifier. **Model SBP-5539531012-1212-E1** offers a typical small signal gain of 10 dB and P-1 dB and a nominal output power of +12 dBm across the frequency range of 55 to 95 GHz. The DC power requirement for the amplifier is +8 VDC/150 mA. The mechanical configuration offers an in-line structure with WR-12 waveguides and UG-387/U-M flanges. Other port configurations, such as with 1 mm connectors or a right angle structure with WR-12 waveguides, are also available under different model numbers.



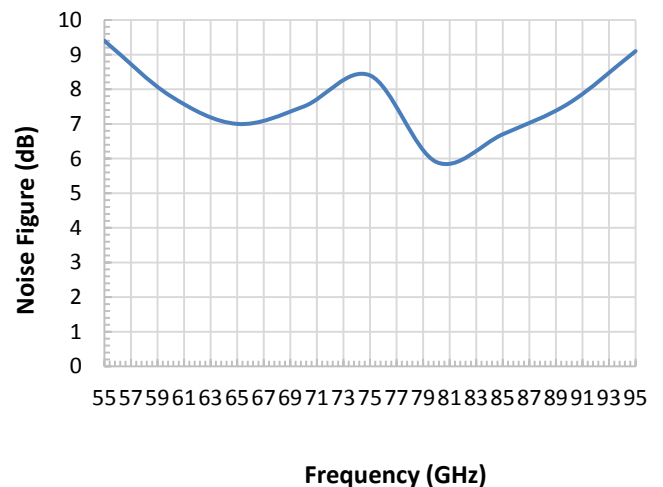
Typical Gain and Return Loss vs. Frequency

Bias: +8 V_{DC}/150 mA



Typical Noise Figure vs. Frequency

Bias: +8 V_{DC}/150 mA



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