

Abstracts

Active Low Noise Transition from Rectangular Waveguide to Microstrip Line

W. Grabherr and W. Menzel. "Active Low Noise Transition from Rectangular Waveguide to Microstrip Line." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1403-1406.

An active transition from rectangular waveguide to microstrip line, operating in X-band with a GaAs MESFET as integral part of the transition is presented. The design allows for low noise amplification of the signal with improved bandwidth compared to the corresponding passive transition. Measured results of noise figure and power gain are given.

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