

Abstracts

An Actively Broadbanded MIC Parametric Amplifier

R.E. Pearson, G. Payne and D.H. Paul. "An Actively Broadbanded MIC Parametric Amplifier." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 501-503.

The design, construction and performance of an actively broadbanded MIC parametric amplifier is described. The broadbanding technique is simple with no multiple tuned circuits; the result is a 500 MHz bandwidth amplifier at 7.5 GHz that is five times less susceptible to pump instability than one of conventional design.

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