

Abstracts

X-Band Low Phase Distortion MMIC Power Limiter (Short Papers)

T. Parra, J. Dienot, M. Gayral, M. Pouysegur, J.F. Sautereau and J. Graffeuil. "X-Band Low Phase Distortion MMIC Power Limiter (Short Papers)." 1993 Transactions on Microwave Theory and Techniques 41.5 (May 1993 [T-MTT]): 876-879.

This paper describes the design and performance of a 8 GHz MMIC MESFET power limiter. This limiter incorporates a special gate biasing scheme and makes use of appropriate load conditions which reduce the unexpected phase variations experienced by the signal through the device. Measured performances (phase variations less than 8° over a 22 dB input power range) are found to be in agreement with the theoretical ones obtained from large signal simulations.

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