

Abstracts

Design and Performance of Dual-Gate GaAs MESFET Up-Converter

A.A. de Salles. "Design and Performance of Dual-Gate GaAs MESFET Up-Converter." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 440-442.

Design procedure and experimental results for a GaAs MESFET Up-Converter using a dual gate device are presented. DC and S parameter measurements are used to estimate the appropriate biasing and matching conditions. High conversion gain (~8dB) and moderate noise performance (~7dB) were obtained.

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