

Abstracts

Low-Cost X-Band MIC Parametric Amplifier

D.A. Fleri, J.J. Taub, J.J. Whelehan and J.M. Wolczok. "Low-Cost X-Band MIC Parametric Amplifier." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 210-212.

An X-band MIC parametric amplifier using planar printed circuit techniques which result in low-cost and high reliability has been developed. Design of a microstrip four-port circulator and parametric amplifier stage on a low-loss YIG substrate, a 31-GHz microstrip pump source on teflon-fiber glass, and a pump source at the same frequency in integrated fin-line are described.

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