

# Abstracts

## An 18 GHz Double-Tuned Parametric Amplifier (1970 [MWSYM])

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*Y. Kinoshita and M. Maeda. "An 18 GHz Double-Tuned Parametric Amplifier (1970 [MWSYM])."*  
*1970 G-MTT International Microwave Symposium Digest of Technical Papers 70.1 (1970*  
*[MWSYM]): 95-99.*

This paper describes a Ku-band nondegenerate parametric amplifier, using a new type of idler choke and a simple resonator, that exhibits a nearly flat bandwidth of 550 MHz at 20 dB gain and a noise temperature of 280°K at room temperature ambient.

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