

# Abstracts

## An 18 GHz Single-Tuned Parametric Amplifier with Large Gain Bandwidth Product (Correspondence)

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*Y. Kinoshita and M. Maeda. "An 18 GHz Single-Tuned Parametric Amplifier with Large Gain Bandwidth Product (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.7 (Jul. 1970 [T-MTT]): 409-410.*

A single-tuned parametric amplifier was experimentally demonstrated at 18 GHz. A coaxial signal circuit and a radial idler cavity were used to obtain a large voltage-gain bandwidth product of 1440 MHz and a low noise temperature of 245°K including the circulator loss contribution.

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