

Abstracts

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

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.

[Return to main document.](#)