

# Abstracts

## A Simple Diode Parametric Amplifier Design for Use at S, C, and X Band

---

*C.S. Aitchison, R. Davies and P.J. Gibson. "A Simple Diode Parametric Amplifier Design for Use at S, C, and X Band." 1967 Transactions on Microwave Theory and Techniques 15.1 (Jan. 1967 [T-MTT]): 22-31.*

A simple diode parametric amplifier is described which has been designed for use at S, C, and X band frequencies. Bandwidth and noise measurements show the performance to be substantially in agreement with the theoretical predictions. Details are given of compensating circuits which improve the gain-frequency response of the amplifier by up to 5.6 times.

[Return to main document.](#)