

Abstracts

New Design Technique for Stable Wide-Band Tunnel-Diode Amplifier (Correspondence)

K. Shirahata and D. Taketomi. "New Design Technique for Stable Wide-Band Tunnel-Diode Amplifier (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.1 (Jan. 1970 [T-MTT]): 52-54.

It is verified experimentally and theoretically that highly reflective out-of-band characteristics are inherent in the usual stripline circulator, and follow a certain regularity. It is then described how a small-sized additional network to the circulator can improve its out-of-band characteristics. Using the improved circulator with this network, it is shown how to design a small-size wide-band TDA.

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