

Abstracts

Determination of Microwave Two-Port Noise Parameters through Computer-Aided Frequency-Conversion Techniques

G. Caruso and M. Sannino. "Determination of Microwave Two-Port Noise Parameters through Computer-Aided Frequency-Conversion Techniques." 1979 Transactions on Microwave Theory and Techniques 27.9 (Sep. 1979 [T-MTT]): 779-783.

A method to determine noise parameters of microwave linear two-ports (transistors) is presented which is based on a two-channel noise temperature measuring system and an analytical data processing procedure. As compared with the one-channel measurements and the graphical processing techniques, the method offers advantages from both accuracy and experiment viewpoints. Experimental verification related to noise parameters determination for a microwave transistor as function of frequency in S band are reported.

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