

Abstracts

Computerized Calculation of Small Signal and Noise Properties of Microwave Transistors

W. Baechtold, W. Kotyczka and M.J.O. Strutt. "Computerized Calculation of Small Signal and Noise Properties of Microwave Transistors." 1969 Transactions on Microwave Theory and Techniques 17.8 (Aug. 1969 [T-MTT] (Special Issue on Computer-Oriented Microwave Practices)): 614-619.

The small signal and noise equivalent circuit of a microwave transistor is evaluated using an analog simulation model. The noise figure has been determined with the same model as a function of the source admittance and the frequency. The s parameters and noise figures are compared with the results calculated on a digital computer.

[Return to main document.](#)