

Abstracts

A Network Modeling and Design Method for a 2-18-Ghz Feedback Amplifier (Dec. 1982 [T-MTT])

A.M. Pavio, Jr.. "A Network Modeling and Design Method for a 2-18-Ghz Feedback Amplifier (Dec. 1982 [T-MTT])." 1982 Transactions on Microwave Theory and Techniques 30.12 (Dec. 1982 [T-MTT] (1982 Symposium Issue)): 2212-2216.

An accurate network theory and modeling method, including feedback loop circuit parasitic and device limitations, is presented for the design of broad-band microwave feedback amplifiers. Discussed are circuit realization and measured performance in relation to VSWR, gain flatness, and stability of a 2-18-GHz three-stage amplifier.

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