

Abstracts

New Results on the Design of Broadband Microwave Bipolar and FET Amplifiers

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New results on the design of broadband microwave transistor amplifiers are presented. These results include analytical design and computer-aided optimization techniques for microwave bipolar and FET amplifiers with prescribed transistor gain roll-off characteristics and practical realizations of broadband input and output matching networks. Several designs of octave-band microwave bipolar and GaAs FET amplifiers are presented to illustrate the general design techniques.

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