

Abstracts

Session 17 Introduction (1984 [MWSYM])

R.L. Camisa. "Session 17 Introduction (1984 [MWSYM])." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 407-407.

The first theme addressed in this session is the miniaturization of microwave components. It is shown, through the use of lumped-elements, that the circuit area of Wilkenson combiners and branch-like couplers is reduced to less than 20% of conventional distributed realizations at 4 GHz. These savings will be important for future small-size, light-weight microwave components realized in either a hybrid or monolithic integrated circuit format. For MMIC's, the reduction of the ratio of passive-to-active circuit area is of importance for yield considerations.

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