

Abstracts

Measurements on the Properties of Microwave Integrated Circuits

M. Caulton, B. Hershenov, S.P. Knight and L.S. Napoli. "Measurements on the Properties of Microwave Integrated Circuits." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 38-44.

Microwave integrated circuits (MIC) using low-impedance high-power devices demand high-Q components. In addition, MIC using both lumped and distributed (microstrip) elements are finding applications at frequencies well above S-band. It is the purpose of this paper to describe some recent measurements on circuit properties consisting of: (1) the reactance and Q of lumped-elements at frequencies above S-band, and (2) the dispersive characteristics of microstrip transmission lines.

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