

Abstracts

Synthesis and Design of Wideband Symmetrical Nonuniform Directional Couplers for MIC Applications

S. Uysal and A.H. Aghvami. "Synthesis and Design of Wideband Symmetrical Nonuniform Directional Couplers for MIC Applications." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 587-590.

A computer aided synthesis design procedure for wideband symmetrical nonuniform directional couplers in inhomogeneous media is presented. Solutions for the potential problems inherent to these couplers are given. Results for a 2-18 GHz 5-section, -3 dB nonuniform tandem directional coupler designed and built on alumina substrate are presented.

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