

Abstracts

Wideband, Totally Coupled Directional Transformers

R.A. Speciale. "Wideband, Totally Coupled Directional Transformers." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 122-124.

Single-section and two-section nonsymmetrical directional couplers are introduced, providing large impedance transformation ratios, total matching, perfect directivity, almost unity coupling and flat delay across a 100% relative bandwidth. Design parameters are given and alternative physical implementations are discussed.

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