Abstracts

A novel directional coupler for PCB and LTCC applications

A. Sawicki and K. Sachse. "A novel directional coupler for PCB and LTCC applications." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 2225-2228 vol.3.

A new coupled-line directional coupler, convenient for PCB and LTCC applications, is proposed. The coupler covers -10 dB to -2.7 dB coupling coefficient, being always theoretically compensated. The novel structure is not sensitive to lateral misalignment of conductive layers, and not sensitive to thickness and dielectric permittivity tolerances of applied dielectric substrates. Promising experimental results are presented.

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