

Abstracts

A Stripline Re-Entrant Coupler Network for Cofired Multilayer Microwave Circuits

R.E. Hayes, J.W. Gipprich and M.G. Hershfeld. "A Stripline Re-Entrant Coupler Network for Cofired Multilayer Microwave Circuits." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 801-804.

A stripline coupler network is presented that is suitable for cofired multilayer circuit applications. The network contains a tandem arrangement of two re-entrant coupler structures that can provide tight coupling (3 dB) and is insensitive to conductor registration or misalignments. In addition, circuit modeling and EM simulation for a coupler design using Low Temperature Cofired Ceramic (LTCC) is presented along with experimental results.

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