

Abstracts

Coupled Slot-Strip Coupler in Finline

M. Schoenberger, A. Biswas, A. Mortazawi and V.K. Tripathi. "Coupled Slot-Strip Coupler in Finline." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 751-753.

Dispersion characteristics and impedances of stripslot coupled lines in a shielded structure has been computed, using rigorous spectral domain technique. Using this data four port couplers in finline configuration are realized. The coupler represents a complementary structure to that, studied by Hoffman and Siegl. The analysis and design procedure for coupler presented in this paper should be useful in millimeter-wave finline circuits.

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