

Abstracts

Development of a Coupler in Finline Technique

A. Beyer, D. Kother and I. Wolff. "Development of a Coupler in Finline Technique." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 139-142.

Among other components directional couplers are employed in millimeterwave finline circuits. The method presented here allows a simple calculation of all modes which can exist on such couplers under consideration of the thickness of the metallization. In this way a 3-dB coupler has been developed for the Ka-band. Numerical and experimental results illustrate the applicability of this method.

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