

Abstracts

Multilayer Aperture-Coupled Broadside Microstrip Lines

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This paper describes new multilayer aperture-coupled broadside microstrip lines suitable for miniaturized microwave monolithic integrated circuits (MMICS). The new transmission line structure is applicable to both loose and tight coupling applications. The quasi-static spectral domain method is used to determine both the c- and pi-mode characteristic impedances and effective dielectric constants.

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