

Three-Dimensionally Coupled Microstrip Lines via a Rotated Slot in a Common Ground Plane

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Microstrip lines coupled through a slot in a common ground plane are analyzed. The slot is rotated with respect to the propagating axis of the microstrips. The analysis is based on the spectral domain method and the reciprocity theorem. Numerical results of the S parameters are presented for different values of angle of rotation of the slot.

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