

Abstracts

Directional Couplers Between Doubled-Sided Substrate Microstrip Lines Using Virtually-Terminated Coupling Slots

C.-H. Ho, L. Fan, G.-M. Luong and K. Chang. "Directional Couplers Between Doubled-Sided Substrate Microstrip Lines Using Virtually-Terminated Coupling Slots." 1993 Microwave and Guided Wave Letters 3.3 (Mar. 1993 [MGWL]): 80-81.

A new planar multilayer quadrature coupler is proposed. This new multilayer coupler consists of two microstrip lines that are coupled through two virtually-terminated narrow slots in a common ground plane. Experimental results are in fairly good agreement with a theory. With the advantages of compact size and simple design procedure, this new component should have many applications in multilayer microwave integrated circuits.

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