

Abstracts

Uniplanar De Ronde's CPW-Slot Directional Couplers

C.-H. Ho, L. Fan and K. Chang. "Uniplanar De Ronde's CPW-Slot Directional Couplers." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1399-1402.

A new uniplanar de Ronde's CPW-slot directional coupler was developed with good amplitude characteristics and phase balance. The even-odd mode analysis of four-port networks with double symmetry was used to analyze the uniplanar de Ronde's couplers. A directional coupler with 5-dB coupling was designed and demonstrated over the frequency range of 2.4-3.4 GHz. The experimental results agree with the theoretical design.

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