

Abstracts

Transmission Line Modeling of CPW-Slotline Transitions and CPW Butterfly Filters

C.-H. Ho, L. Fan and K. Chang. "Transmission Line Modeling of CPW-Slotline Transitions and CPW Butterfly Filters." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1305-1308.

This paper presents theoretical analyses of CPW-slotline transitions and CPW butterfly filters using the transmission line models. Accurate modeling of non-uniform CPW and slotline radial stubs was developed using tandem connected uniform lines. Measured results of various transitions and filters agree very well with calculation. Design curves for practical applications are also presented.

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