

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

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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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