

Abstracts

The Design of Broadside-Coupled Stripline Circuits (Short Papers)

I.J. Bahl and P. Bhartia. "The Design of Broadside-Coupled Stripline Circuits (Short Papers)." 1981 Transactions on Microwave Theory and Techniques 29.2 (Feb. 1981 [T-MTT]): 165-168.

Accurate design expressions for broadside-coupled striplines are presented. The expressions have general validity as long as $W/S > 0.35$. Uncertainty analysis is described to calculate the effect of tolerances in parameters on coupling coefficient and input VSWR. The effect of tolerances in parameters on these characteristics increase as the coupling becomes tighter and tighter.

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