

Abstracts

Improving the Isolation of 3-dB Couplers in Microstrip-Slotline Technique

B. Schiek and J. Kohler. "Improving the Isolation of 3-dB Couplers in Microstrip-Slotline Technique." 1978 Transactions on Microwave Theory and Techniques 26.1 (Jan. 1978 [T-MTT]): 5-7.

The isolation of an experimental 3-dB strip-slot coupler has been improved by capacitive loading at the ends of the coupled region, accomplished by a lengthening of the slotline. In practice, the isolation has been improved by 5-10 dB, as compared to the uncompensated structure in C band.

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