

Abstracts

Measuring Adapter Efficiency Using a Sliding Short Circuit

W.C. Daywitt and G. Counas. "Measuring Adapter Efficiency Using a Sliding Short Circuit." 1990 Transactions on Microwave Theory and Techniques 38.3 (Mar. 1990 [T-MTT]): 231-237.

This paper describes a simple technique for measuring the efficiency of adapters with losses less than 2dB. The technique is useful in microwave applications where a moderate error in the measured loss is acceptable. This error is less than 10 percent of the loss for losses between 0.5 and 2dB, and is less than 0.05dB below 0.5dB. An expression for the error is given.

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