Abstracts

Measurements of Microstrip Effective Relative Permittivities (Short Papers)

S. Deibele and J.B. Beyer. "Measurements of Microstrip Effective Relative Permittivities (Short Papers)." 1987 Transactions on Microwave Theory and Techniques 35.5 (May 1987 [T-MTT]): 535-538.

This paper presents normalized wide-bandwidth measurements of microstrip effective relative permittivities (epsilon/sub eff/) which were made on large-scale microstrip models. The experimental techniques are discussed, and the data are compared to the predictions of two recent closed-form design equations. These results agree favorably with the predictions of Kirschning and Jansen's model. In addition, suggestions concerning frequency limitations of microstrip use and comments on the reliability of CAD packages for microstrip circuits are made.

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