

Abstracts

A New Approximation for the Capacitance of a Rectangular-Coaxial-Strip Transmission Line (Short Papers)

J.C. Tippet and D.C. Chang. "A New Approximation for the Capacitance of a Rectangular-Coaxial-Strip Transmission Line (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.9 (Sep. 1976 [T-MTT]): 602-604.

The method of conformal transformation is used to obtain the exact capacitance of a rectangular-coaxial-strip transmission line. An approximate form, which includes the edge-interaction capacitance of the strip, is obtained and is shown to reduce in an appropriate limit to a form obtained by other authors.

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