

Abstracts

Open-End Discontinuity in Shielded Microstrip Circuits (Short Papers)

S.S. Bedair and M.I. Sobhy. "Open-End Discontinuity in Shielded Microstrip Circuits (Short Papers)." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1107-1109.

This short paper gives closed-form expressions for the open-end discontinuity in shielded microstrip circuits. These expressions consider the effect of dispersion at very high frequencies and are based on the results obtained earlier for the stripline configuration. The test of validity of these expressions is performed by comparison with the limit case of the unshielded microstrip.

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