

# Abstracts

## Analysis of Cylindrical Stripline with Multilayer Dielectrics

---

*C.J. Reddy and M.D. Deshpande. "Analysis of Cylindrical Stripline with Multilayer Dielectrics." 1986 Transactions on Microwave Theory and Techniques 34.6 (Jun. 1986 [T-MTT]): 701-706.*

An inhomogeneous, multiedielectric-layered cylindrical stripline using TEM-model approximation is analyzed. A simple, closed-form expression for the characteristic impedance of an inhomogeneous cylindrical stripline is derived. Numerical results on the characteristic impedance are compared with the results obtained by Wang, and also with the results obtained by the conformal transformation. Extensive data on the impedances of inhomogeneous cylindrical stripline are also presented.

[Return to main document.](#)