

Abstracts

Characterization of Cylindrical Microstriplines Mounted Inside a Ground Cylindrical Surface (Short Papers)

R.-B. Tsai and K.-L. Wong. "Characterization of Cylindrical Microstriplines Mounted Inside a Ground Cylindrical Surface (Short Papers)." 1995 Transactions on Microwave Theory and Techniques 43.7 (Jul. 1995, Part I [T-MTT]): 1607-1610.

A full-wave analysis for the frequency-dependent characteristics of a cylindrical microstripline mounted inside a ground cylindrical surface is presented. Numerical results of the effective dielectric constant and characteristic impedance for various microstripline parameters are calculated and analyzed. Strong dispersive behavior is observed for such cylindrical microstriplines.

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