

Abstracts

Dispersion Characteristics of Cylindrical Coplanar Waveguides (Short Papers)

H.-C. Su and K.-L. Wong. "Dispersion Characteristics of Cylindrical Coplanar Waveguides (Short Papers)." 1996 Transactions on Microwave Theory and Techniques 44.11 (Nov. 1996 [T-MTT]): 2120-2122.

A full-wave analysis of the coplanar waveguide (CPW) printed on a cylindrical substrate is presented, and the dispersion characteristics of the cylindrical CPW are studied. Numerical results of the effective relative permittivity are calculated using a Galerkin's moment-method calculation. Experiment is also conducted, and the measured data are in good agreement with the theory.

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