

Abstracts

Characteristic Impedance of a Tubular Dielectric Cylinder Covered with Conducting Arc Strips (Short Papers)

V. Zargari and T.C. Rao. "Characteristic Impedance of a Tubular Dielectric Cylinder Covered with Conducting Arc Strips (Short Papers)." 1989 *Transactions on Microwave Theory and Techniques* 37.10 (Oct. 1989 [T-MTT]): 1645-1647.

The characteristic impedance of a circular cylindrical dielectric tubular transmission line that is partially covered by thin conducting arc strips on the outer periphery is determined by conformal transformation. The variation of the characteristic impedance with the physical parameters is studied and some numerical results are presented.

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