

# Abstracts

## Characteristic Impedances of the Slotted Coaxial Line

---

*J. Smolarska. "Characteristic Impedances of the Slotted Coaxial Line." 1958 Transactions on Microwave Theory and Techniques 6.2 (Apr. 1958 [T-MTT]): 161-166.*

The characteristic impedance for the two possible TEM modes is calculated for a slotted coaxial line whose outer walls have a zero thickness. Conformal mapping is used in the calculations. The characteristic impedance for a slotted coaxial line is calculated in an approximate way for outer wall thickness different from zero.

 [Return to main document.](#)