

Abstracts

Reflection of a Coaxial Line Radiating Into a Parallel Plate

*J.H. Lee, H.J. Eom and K.H. Jun. "Reflection of a Coaxial Line Radiating Into a Parallel Plate." 1996 *Microwave and Guided Wave Letters* 6.3 (Mar. 1996 [MGWL]): 135-137.*

Reflection of a coaxial line radiating into a parallel plate is solved analytically. The Hankel transform and the mode-matching technique are used to represent the reflection coefficient in rapidly converging series. The numerical computations are performed to illustrate the reflection behavior in terms of coaxial geometries and frequency. The presented series solution is an analytic, closed-form that is simple yet efficient for numerical computation.

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