Abstracts

Response of Waveguides Terminated in a Tapered Metallic Wall (Short Papers)

J.M. Rebollar. "Response of Waveguides Terminated in a Tapered Metallic Wall (Short Papers)." 1986 Transactions on Microwave Theory and Techniques 34.1 (Jan. 1986 [T-MTT]): 175-178.

The characteristics of waveguides terminated in a tapered metallic wall are analyzed by means of the modal analysis and scattering matrix concept of discontinuities. Several applications of this kind of termination are suggested. The results can be very useful in evaluating the phase errors produced due to the use of a short-circuited waveguide with a metallic wall not placed in an exact transverse plane (z = constant).

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