# Abstracts

## Design Curves for Waveguide Absorbers (Correspondence)

*H.R. Witt and E.L. Price. "Design Curves for Waveguide Absorbers (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.10 (Oct. 1967 [T-MTT]): 590-590.*

Normalized curves are presented for the design of waveguide absorbers consisting of thin uniformly spaced sheets of resistive material. An analysis of absorption in rectangular waveguides containing parallel sheets of resistive material uniformly spaced across the waveguide was carried out by Witt et al. A conclusion of this work was that when the operating frequency is in excess of about 1.5 to 2 times the cutoff frequency for the TE/sub 10/ mode in the unloaded waveguide and the number of sheets exceeds three or four, then then the loaded waveguide solutions closely approach the solutions that apply to am infinite array of parallel resistive sheets. Thus, provided that these conditions are satisfied, the infinite array theory can be used to design waveguide absorbers.

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