

Abstracts

The Cutoff Wavelength of the TE/sub 10/ Mode in Ridged Rectangular Waveguide of any Aspect Ratio

J.R. Pyle. "The Cutoff Wavelength of the TE/sub 10/ Mode in Ridged Rectangular Waveguide of any Aspect Ratio." 1966 Transactions on Microwave Theory and Techniques 14.4 (Apr. 1966 [T-MTT]): 175-183.

Design curves for ridged rectangular waveguides of the usual aspect ratio of 0.45 were published by Hopfer following earlier work carried out by Cohn and Marcuvitz. This paper has been written to extend the design data to ridged rectangular waveguides of any aspect ratio. An analysis of the error introduced by proximity effects has shown these to be of the order of a few percent.

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