

Abstracts

The Cutoff Characteristics of the Channel Waveguide (Correspondence)

J.P. Roth and K. Ishii. "The Cutoff Characteristics of the Channel Waveguide (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.2 (Mar. 1964 [T-MTT]): 245-247.

In order to increase the power-handling capacity of a TE/sub 10/ mode rectangular waveguide, the channel waveguide as shown in Fig. 1 was proposed. To the authors' knowledge, the application of channel waveguides for this purpose is not yet known in the United States, although in a paper by Iashikin received on September 26, 1956 by the A. S. Popov Technical Society of Radio Engineering and Telecommunications U.S.S.R., the author states that channel waveguides "are widely used at present."

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