

Abstracts

Current Distribution in Barretters and Its Application to Microwave Power Measurements

J.W. Adams and S. Jarvis, Jr.. "Current Distribution in Barretters and Its Application to Microwave Power Measurements." 1969 Transactions on Microwave Theory and Techniques 17.10 (Oct. 1969 [T-MTT]): 778-785.

This paper describes a mathematical analysis for determining the microwave current distribution in a barretter in a rectangular waveguide. This distribution, when used with another analysis which calculates substitution error for any given current distribution, provides a missing step necessary for the calibration of microwave and millimeter-wave barretters for absolute power measurements.

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