

Abstracts

A Wideband Finline Power Divider in a Metallized Plastic Housing: Design and Performance

J. Ruxton and R. Vahldieck. "A Wideband Finline Power Divider in a Metallized Plastic Housing: Design and Performance." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 215-218.

This paper describes the design and performance of a wideband power divider which utilizes finline technology and is housed in a metallized plastic housing. The power divider exhibits excellent performance across the entire waveguide band demonstrating its feasibility in the design of wideband millimeter wave feed networks. To the author's knowledge this is the first published report of an E-plane circuit housed in plastic.

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