

Abstracts

A Note on N-Way Hybrid Power Dividers (Correspondence)

J.J. Taub and B. Fitzgerald. "A Note on N-Way Hybrid Power Dividers (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.2 (Mar. 1964 [T-MTT]): 260-261.

An N-way hybrid power divider having excellent isolation between ports was described by Wilkenson and subsequently by Peterson. The equivalent network is shown Fig. 1. Wilkenson and Peterson determined the values of transmission-line impedances and resistances at midband for conditions of input match and perfect isolation. The theoretical performance of this device at other frequencies was not given. This communication analyzes the isolation and the input SWR as a function of frequency.

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