

Abstracts

A Three-Port Network with Constant Phase Difference Properties (Correspondence)

B.L. Geddry. "A Three-Port Network with Constant Phase Difference Properties (Correspondence)." 1963 Transactions on Microwave Theory and Techniques 11.1 (Jan. 1963 [T-MTT]): 92-93.

The 90° hybrid and the 180° TEM magic tee can, at least theoretically, be made to work over bandwidths of 10 to 1, and more. The device described is not limited to 90° or 180°. It provides a phase shift between its outputs that is not only constant with frequency, but also capable of being set at any value. In addition, the ratio of the powers delivered to the outputs may be set as desired.

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