

Abstracts

On an Ultrabroad-Band Hybrid Tee

*U. Barabas. "On an Ultrabroad-Band Hybrid Tee." 1979 *Transactions on Microwave Theory and Techniques* 27.1 (Jan. 1979 [T-MTT]): 58-64.*

A hybrid tee is investigated which consists of two broad-band line transformers and a lumped branching point. The branching point forms a bridge circuit, the resistances of which are determined by six lines and their load resistors. The bandwidth is wider than three decades, extending from 2.4 MHz to 5 GHz, and is determined by the transformers. In a special version, the upper cutoff frequency can be shifted to about 12 GHz. The isolation between opposite lines is greater than 40 dB.

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