

Abstracts

Wide-Band Strip-Line Magic-T

E.M.T. Jones. "Wide-Band Strip-Line Magic-T." 1960 Transactions on Microwave Theory and Techniques 8.2 (Mar. 1960 [T-MTT]): 160-168.

This paper presents theoretical performance calculations of a novel form of wide-band strip-line Magic-T that uses two dual strip-line band-pass filters. When all four ports are terminated in the same impedance, the VSWR at each port is less than 1.47 over a 2:1 frequency band, while the isolation between opposite ports is greater than 20 db over this frequency band.

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