

Abstracts

Slot-Coupled Tee Junction in Rectangular-Guide E Plane

V.M. Pandharipande and B.N. Das. "Slot-Coupled Tee Junction in Rectangular-Guide E Plane." 1979 Transactions on Microwave Theory and Techniques 27.1 (Jan. 1979 [T-MTT]): 65-69.

An expression for the equivalent circuit of a waveguide tee junction coupled through a narrow transverse slot of variable length is determined from self-reaction and discontinuity in modal voltage. Impedance loading on primary guide and coupling are determined from the equivalent network parameter. A comparison between theoretical and experimental results is presented.

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