

Abstracts

The Sector Coupler -- Theory and Performance

J.W. Archer, M. Ogai and E.M. Caloccia. "The Sector Coupler -- Theory and Performance." 1981 Transactions on Microwave Theory and Techniques 29.3 (Mar. 1981 [T-MTT]): 202-208.

The "sector coupler" is a practical, broad-band power divider for overdimensioned, millimeter-wavelength, TE_{sub} [01]/ mode circular wave-guide communications systems. The simple mechanical construction of the device, together with its very low insertion loss, high return loss, and low higher order TE_{sub} [0n]/ mode coupling in the main line, make it ideally suited to applications where many devices must be installed in a long waveguide run.

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