

Abstracts

Cross Polarization in a General Two Plate Polarizer (Correspondence)

R.W. Breithaupt. "Cross Polarization in a General Two Plate Polarizer (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.1 (Jan. 1967 [T-MTT]): 55-57.

A common type of polarizer consists of two quarter-wave plates in a circular TE/sub 11/ mode waveguide. Ideally, the first plate converts linear to circular polarization, and the second rotatable plate converts from circular to linear polarization at an angle $\pi/4$ to this plate. The plates take various forms such as dielectric vanes and disks, or capacitive pins.

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