

Abstracts

Two Oversize Waveguide-Polarization Diplexers (Short Papers)

J.T. Mendonca. "Two Oversize Waveguide-Polarization Diplexers (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.9 (Sep. 1973 [T-MTT]): 586-587.

Two new types of quasi-optical waveguide-polarization diplexers are described. They are based on the use of a metal grating, or a dielectric plate at Brewster's angle, placed in an oversize circular 3-port junction. Their performances are measured at a wavelength of 4.28 mm in a standard microwave circuit and at 337 μm with the HCN laser beam.

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