Abstracts

A Semi-Transparent Mirror-Type Directional Coupler for Optical Fiber Applications (Letters)

H. Kuwahara, J. Hamasaki and S. Saito. "A Semi-Transparent Mirror-Type Directional Coupler for Optical Fiber Applications (Letters)." 1975 Transactions on Microwave Theory and Techniques 23.1 (Jan. 1975 [T-MTT] (Special Issue on Integrated Optics and Optical Waveguides)): 179-180.

A directional coupler for optical fiber applications is constructed of two pieces of optical fibers cut obliquely and a thin dielectric film. Coupling coefficient -20 dB to -10 dB depending on the refractive index of the dielectric film, insertion loss 1 dB, and directivity -20 dB are measured. They agree with the analytical results.

❑ Return to main document.