Abstracts

Novel Symmetrical Three-Branch Optical Waveguide with Equal Power Division

S. Banba and H. Ogawa. "Novel Symmetrical Three-Branch Optical Waveguide with Equal Power Division." 1992 Microwave and Guided Wave Letters 2.5 (May 1992 [MGWL]): 188-190.

Symmetrical three-branch optical waveguide structures, which can divide power equally at each branch, are proposed from calculations by the beam propagation method. The structures are constructed with a triangular shaped spacing area in the central branch to control the transmission coefficient between each branch and the main waveguide. The proposed three-branch waveguides can be easily designed due to their simple configuration.

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