Abstracts

Beam propagation analysis of fast mode-conversion evolution bent waveguides with apexes-linked microprisms

Ching-Ting Lee and Ping-Lin Fan. "Beam propagation analysis of fast mode-conversion evolution bent waveguides with apexes-linked microprisms." 1997 Microwave and Guided Wave Letters 7.10 (Oct. 1997 [MGWL]): 338-340.

A fast mode-conversion evolution and wide-angle low-loss abrupt bent waveguide with apexes-linked microprisms is proposed and compared with the conventional single prism structure. For the proposed bent waveguide with bend angle 10/spl deg/, the transmitted power efficiency of 96.06% and a mode-conversion length of 40 /spl mu/m can be achieved.

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