

Abstracts

Periodic Structures and Their Application in Integrated Optics

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Periodic structures are used widely in integrated optics for input-output couplers, bandstop filters, modulators, directional couplers, and distributed feedback lasers. An analytical discussion and review of these devices is given based upon the coupled-mode transmission-line analysis. Experimental results and performance characteristics are presented to illustrate the special features of each type of device. Finally, the usefulness of transmission-line analysis to the understanding and the design of these devices is pointed out.

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