

Abstracts

Wide-Band Semiconductor Lasers and Optical Modulators for Communications

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The emergence of wide-band semiconductor lasers and optical modulators has opened up exciting new possibilities in the lightwave transmission of microwave analog signals and multi-gigabit per second digital data. This paper reviews recent progress in wide-band semiconductor lasers and optical modulators. Opto-electronic characteristics, bandwidth limitations, and microwave circuit considerations are described.

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