

## Semiconductor Lasers II By Eli Kapon

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Covers important recent advances in materials, design, fabrication, and device structure of semiconductor lasers - aspects not covered in previously existing literature. Introduces the non-expert to the subject. Useful for professionals engaged in research and development.

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Semiconductor Lasers II: Materials And Structures. by Kapon, Eli (Edt) This volume presents state-of-the-art information on several important material systems and device structures employed in modern semiconductor lasers. The first two chapters discuss several III-V, II-VI, and VI-VI compound semiconductor material systems employed in diode ...

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Description. This book covers the device physics of semiconductor lasers in five chapters written by recognized experts in this field. The volume begins by introducing the basic mechanisms of optical gain in semiconductors and the role of quantum confinement in modern quantum well diode lasers. Subsequent chapters treat the effects of built-in strain, one of the important recent advances in the technology of these lasers, and the physical mechanisms underlying the dynamics and high speed ...

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