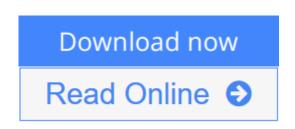


## **Broadband Optical Modulators: Science, Technology, and Applications**

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Considered the most comprehensive book yet published on this critical subject, **Broadband Optical Modulators: Science, Technology, and Applications** offers an incredibly wide-ranging yet in-depth overview of the state of the art in the design and use of optical modulators. A compilation of expert insights, this book covers fundamental and practical aspects, from materials to systems, addressing historical and more recent developments.

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- Optical and electro-optic properties of traditional single crystalline lithium niobate, silicon, and III-V compound semiconductors, as well as emerging electro-optic polymers and organic nonlinear optic crystals
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• Sales Rank: #2147769 in Books

- Published on: 2011-11-16
- Original language: English
- Number of items: 1
- Dimensions: 1.40" h x 7.20" w x 10.20" l, 2.60 pounds
- Binding: Hardcover
- 568 pages

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#### **Editorial Review**

Review

Graduate students and research scientists will benefit from this outstanding book. Readers interested in recent technologies will find several chapters devoted to applications beyond the digital telecom system. This excellent volume also offers newcomers a great introduction to the subject ... those interested in modulator operation will appreciate the coverage on modulator drivers, reliability of lithium niobate modulators and bias control techniques.

**?Optics & Photonics News** 

This book ... provides the full exciting story of optical modulators. It is a comprehensive review from the fundamental science, ... material and processing technology to optimized device design [and] the multitude of applications ... .The book should prove valuable to a broad spectrum of readers, including graduate students, new entrants to the field and systems researchers and engineers who want either an overview or indepth understanding of this exciting and highly enabling field.

?From the Foreword by Rodney C. Alferness, Bell Laboratories, Alcatel-Lucent, USA

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