

Semiconductor Devices Physics Technology Solutions

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Semiconductor Devices - Types of Semiconductor Devices

0.1 Semiconductor Devices 1. 0.2 Semiconductor Technology 6. Summary 12. PART I SEMICONDUCTOR PHYSICS. Chapter 1 Energy Bands and Carrier Concentration in Thermal Equilibrium 15. 1.1 Semiconductor Materials 15. 1.2 Basic Crystal Structures 17. 1.3 Valence Bonds 22. 1.4 Energy Bands 23. 1.5 Intrinsic Carrier Concentration 29. 1.6 Donors and ...

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Semiconductor Device Physics and Design UMESH K. MISHRA University of California, Santa Barbara, CA, USA and JASPRIT SINGH The University of Michigan, Ann Arbor, MI, USA

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