



Basic Electronic Devices and Circuits

By Mahesh B. Patil

Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Basic Electronic Devices and Circuits, Mahesh B. Patil, This book provides detailed fundamental treatment of the underlying physics and operational characteristics of most commonly used semi-conductor devices, covering diodes and bipolar transistors, opto-electronic devices, junction field-effect transistors, and MOS transistors. In addition, basic circuits utilising diodes, bipolar transistors, and field-effect transistors are described, and examples are presented which give a good idea of typical performance parameters and the associated waveforms. A brief history of semiconductor devices is included so that the student develops an appreciation of the major technological strides that have made today's IC technology possible. Important concepts are brought out in a simple and lucid manner rather than simply stating them as facts. Numerical examples are included to illustrate the concepts and also to make the student aware of the typical magnitudes of physical quantities encountered in practical electronic circuits. Wherever possible, simulation results are included in order to present a realistic picture of device operation. Fundamental concepts like biasing, small-signal models, amplifier operation, and logic circuits are explained. Review questions and problems are included at the end of each chapter to help students test their understanding. The book...

DOWNLOAD



READ ONLINE

[3.86 MB]

Reviews

The publication is great and fantastic. Sure, it is enjoy, nevertheless an interesting and amazing literature. You will not truly feel monotony at any moment of your own time (that's what catalogues are for concerning when you request me).

-- **Fabian Bashirian DDS**

This book is definitely worth acquiring. Yes, it is enjoy, still an amazing and interesting literature. Its been written in an remarkably basic way and is particularly simply soon after i finished reading through this pdf where actually changed me, affect the way in my opinion.

-- **Murray Marquardt**