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Linear Application Specific IC's Databook
Electronic Engineering
Exploring Electronic Devices
Switch-mode Power Supply Design
Electronic devices & circuits in S.I. system of units
Fundamentals, Technologies and Systems
Modern Physics
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Modern Physics, 18th Edition
Conference on Performance Monitoring Techniques for Evaluation of Solar Heating and Cooling Systems, April 3 and 4, 1978, Washington, D.C.
Analog Electronics
The Voltage Regulator Handbook
Analog Circuitry Explained
Canadian Electronics Engineering
Power Supplies: Linear power supplies, DC-DC converters
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Handbook of Defence Electronics and Optronics
A Fully Integrated High-temperature, High-voltage, BCD-on-SOI Voltage Regulator
A Textbook of Electrical Technology - Volume IV
Designer's Handbook of Integrated Circuits
A Textbook of Applied Electronics
Electronic Devices and Circuits
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Principles of Electronic Devices & Circuits
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Electronics with Digital and Analog Integrated Circuits
ANALOG ELECTRONICS
Linear Integrated Circuits

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Linear Application Specific IC's Databook
S. Chand Publishing

Meant for the undergraduate students of electrical and electronics engineering this text on Linear Integrated Circuits and Op Amps covers the entire

syllabus of the subject. Written in a simple and student friendly language, it will help in building strong foundation in the principles of linear integrated circuits.

Electronic Engineering S. Chand Publishing

This book provides a unique account of the history of integrated circuit, the microelectronics industry and the people involved in the development of transistor and integrated circuit. In this richly illustrated account the author argues that the group of inventors was much larger than originally thought. This is a personal recollection providing the first comprehensive behind-the-scenes account of the history of the integrated circuit.

Exploring Electronic Devices PHI Learning Pvt. Ltd.

I May observed that recent developments in power electronics have proceeded in two different directions,namely,low power range power supplies using high frequency PWM technique and medium to high power range energy control systems to serve specific Purpose.

Switch-mode Power Supply Design S. Chand Publishing

Analog Electronics is an 11-chapter text that covers the significant advances in several aspects of analog electronics, with emphasis on how analog circuits work. The opening chapters consider the passive and active components

of analog circuits. The succeeding chapters deal with the amplification of audio-frequency electrical signals and their transformation into sound waves, as well as the passive signal processing and transmission. The discussion then shifts to the active signal processing in frequency and time domain. Other chapters examine the mechanism of radio-frequency circuits, signal sources, and power supplies. The closing chapter tackles the commercial and professional application of electronics. This book will prove useful to engineers, technicians, and students.
Electronic devices & circuits in S.I. system of units Academic Press
CD-ROM contains: "extensive number of circuit files prepared by the authors for students to experiment with using Electronic Workbench Multisim," and "Multisim 2001 Enhanced Textbook Edition."
Fundamentals, Technologies and Systems John Wiley & Sons Incorporated
The book is designed for students studying the course on Electronic Circuits – 1. The topics have been organized in a sequential manner to enhance the understanding of the fundamentals of the subject. A wide variety of solved examples have been provided with step-by-step solutions, which will enable the students in a better understanding

of the course.

Modern Physics

Prentice Hall

A Textbook of Electrical Technology(Vol. IV)Multicolorpictures have been added to enchance the contenet value and give to the students an idea of what he will be dealing in realityand to bridge the gap between theory and practice.A notable feature is the inclusion of chapter on Flip-Flops and related Devices as per latest development in the subject.Latest tutorial problems and objective type questions specially for GATE have been included at relevant places.

EDN McGraw-Hill Companies

Developments in automotive (particularly hybrid electric vehicles), aerospace, and energy production industries over the recent years have led to expanding research interest in integrated circuit (IC) design toward high-temperature applications. A high-voltage, hightemperature SOI process allows for circuit design to expand into these extreme environment applications. Nearly all electronic devices require a reliable supply voltage capable of operating under various input voltages and load currents. These input voltages and load currents can be either DC or time-varying signals. In this work, a stable supply voltage for embedded circuit functions is generated on chip via a voltage regulator circuit producing a stable 5-V output

voltage. Although applications of this voltage regulator are not limited to gate driver circuits, this regulator was developed to meet the demands of a gate driver IC. The voltage regulator must provide reliable output voltage over an input range from 10 V to 30 V, a temperature range of -50°C to 200°C, and output loads from 0 mA to 200 mA. Additionally, low power stand-by operation is provided to help reduce heat generation and thus lower operating junction temperature. This regulator is based on the LM723 Zener reference voltage regulator which allows stable performance over temperature (provided proper design of the temperature compensation scheme). This circuit topology and the SOI silicon process allow for reliable operation under all application demands. The designed voltage regulator has been successfully tested from -50°C to 200°C while demonstrating an output voltage variation of less than 25 mV under the full range of input voltage. Line regulation tests from 10 V to 35 V show a 3.7-ppm/V supply sensitivity. With the use of a high-temperature ceramic output capacitor, a 5-nsec edge, 0 to 220 mA, 1-[MU]sec pulse width load current induced only a 55 mV drop in regulator output voltage. In the targeted application, load current pulse

widths will be much shorter, thereby improving the load transient performance. Full temperature and input voltage range tests reveal the no-load supply current draw is within 330 [MU]A while still providing an excess of 200 mA of load current upon demand.

Modern Physics, 18th Edition Tab Books

The present Multicolor edition has been throughly revised and update taking into account the recent syllabi of various Indian Universities.Multicolor pictures have been added to enhance the content value and to give the students an idea of what he will be dealing in reality,and to bridge the gap between theory and practice.

Conference on Performance Monitoring Techniques for Evaluation of Solar Heating and Cooling Systems, April 3 and 4, 1978, Washington, D.C.

Saunders College Pub

For Mechnaical Engginering Students of Indian Universities.It is also available in 4 Individual Parts

Analog Electronics PHI Learning Pvt. Ltd.

This text offers a comprehensive introduction to a wide, relevant array of topics in analog electronics. It is intended for students pursuing courses in electrical, electronics, computer, and related engineering disciplines. Beginning with a review of linear circuit theory and basic electronic devices, the text moves on to

present a detailed, practical understanding of many analog integrated circuits. The most commonly used analog IC to build practical circuits is the operational amplifier or op-amp. Its characteristics, basic configurations and applications in the linear and nonlinear circuits are explained. Modern electronic systems employ signal generators, analog filters, voltage regulators, power amplifiers, high frequency amplifiers and data converters. Commencing with the theory, the design of these building blocks is thoroughly covered using integrated circuits. The development of microelectronics technology has led to a parallel growth in the field of Micro-electromechanical Systems (MEMS) and Nano-electromechanical Systems (NEMS). The IC sensors for different energy forms with their applications in MEMS components are introduced in the concluding chapter. Several computer-based simulations of electronic circuits using PSPICE are presented in each chapter. These examples together with an introduction to PSPICE in an Appendix provide a thorough coverage of this simulation tool that fully integrates with the material of each chapter. The end-of-chapter problems allow students to test their comprehension of key concepts. The answers

to these problems are also given.

The Voltage Regulator Handbook

Prentice Hall

In this book we have included more examples,tutorial problems and objective test questions in almost all the chapters.The chapter on Optoelectronic Devices has been expanded to include more application examples in the area of optical fibre networks.The chapter on Regulated Power Supply carries more detailed study of fixed positive-Fixed negative and adjustable-linear IC voltage regulators as well as swithching voltage regulator.The topic on OP-AMPs has been separated from the chapter on integrated Circuits.A new chapter is prepard on OP-AMPs and its Applications.The Chapter on OP-AMPs and its Applications includes OP-AMP based Oscillator circuits,active filters etc.

Tata McGraw-Hill Education

The eighteenth edition of this well-known textbook continues to provide a thorough understanding of the principles of modern physics. It offers a detailed presentation of important topics such as atomic physics, quantum mechanics, nuclear physics, solid state physics and electronics. The concepts are exhaustively presented with numerous examples and diagrams which would help the students in analysing and retaining

the concepts in an effective manner. This textbook is a useful resource for undergraduate students and will also serve as a reference text for postgraduate students.

Analog Circuitry Explained S. Chand Publishing

This laboratory manual for students of Electronics, Electrical, Instrumentation, Communication, and Computer engineering disciplines has been prepared in the form of a standalone text, offering the necessary theory and circuit diagrams with each experiment. Procedures for setting up the circuits and measuring and evaluating their performance are designed to support the material of the authors' book Analog Electronics (also published by PHI Learning). There are twenty-five experiments. The experiments cover the basic transistor circuits, the linear op-amp circuits, the active filters, the non-linear op-amp circuits, the signal generators, the voltage regulators, the power amplifiers, the high frequency amplifiers, and the data converters. In addition to the hands-on experiments using traditional test equipment and components, this manual describes the simulation of circuits using PSPICE as well. For PSPICE simulation, any available standard SPICE software may be used including the latest version OrCAD V10 Demo software.

This feature allows the instructor to adopt a single laboratory manual for both types of experiments. *Canadian Electronics Engineering* Pearson Education India Handbook of Defence Electronics and Optronics Anil K. Maini, Former Director, Laser Science and Technology Centre, India First complete reference on defence electronics and optronics Fundamentals, Technologies and Systems This book provides a complete account of defence electronics and optronics. The content is broadly divided into three categories: topics specific to defence electronics; topics relevant to defence optronics; and topics that have both electronics and optronics counterparts. The book covers each of the topics in their entirety from fundamentals to advanced concepts, military systems in use and related technologies, thereby leading the reader logically from the operational basics of military systems to involved technologies and battlefield deployment and applications. Key features: • Covers fundamentals, operational aspects, involved technologies and application potential of a large cross-section of military systems. Discusses emerging technology trends and development and deployment status of next generation military systems

wherever applicable in each category of military systems. • Amply illustrated with approximately 1000 diagrams and photographs and around 30 tables. • Includes salient features, technologies and deployment aspects of hundreds of military systems, including: military radios; ground and surveillance radars; laser range finder and target designators; night visions devices; EW and EO jammers; laser guided munitions; and military communications equipment and satellites. Handbook of Defence Electronics and Optronics is an essential guide for graduate students, R&D scientists, engineers engaged in manufacturing defence equipment and professionals handling the operation and maintenance of these systems in the Armed Forces.

Power Supplies: Linear power supplies, DC-DC converters Linear Integrated Circuits The present book has been throughly revised and lot of useful material has been added .saveral photographs of electronic devices and their specifications sheets have been included.This will help the students to have a better understanding of the electrinic devices and circuits from application point of view.the mistake and misprints,which has crept in,have been eliminated in this edition.

Electronic Devices and Integrated Circuits Rex

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Linear Integrated CircuitsTata McGraw-Hill Education
Linear Integrated Circuits Newnes
A guide to the design and application of op-amp and other linear integrated circuits (ICs). Emphasizing fundamental design concepts, it covers the widely used op-amp IC 741 and other linear ICs such as 555 (timer), 565 (phase locked loop), regulated power supply IC chips, switched mode power supply, active filters, D/A and A/D converters. Also discusses IC fabrication technology. Each chapter contains examples and end-of-chapter laboratory experiments demonstrate the use and operation of the ICs described, IC number, pin configuration, and more. Data sheets for important ICs are also included.
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