



Mastering Electronics

John Watson

Description :

Mastering Electronics is a complete, self-contained course for individual study or classroom use, which covers the subject from first principles in an accessible style. The fourth edition has been brought fully up-to-date with current new technology. It has been thoroughly re-organised to fit in with today's modular teaching, and to make it even easier to follow as a self-study book. The book contains new or completely re-written sections on Computer Simulation of Circuits and Systems, Mobile Telephone Technology, Modern Battery Technology and Computers. Much of the text has been re-written to improve the clarity of the explanations still further. An even wider range of illustrations and an extended glossary of terms are also included.



Series Title

Macmillan Master Series

Specifications

Paperback
September 1996
416 Pages
234 mm x 156mm
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Contents:

Introduction - Safety - Electric Circuits - Passive Components - Measuring Instruments and Circuit Construction - Thermionic Devices - Semiconductors - The pn Junction Diode - Bipolar Transistors - Field-effect Transistors - Amplifiers - Oscillators - Mains and Portable Power - Operational Amplifiers - Computer Simulation - Audio Amplifiers - Tape Recorders - Radio - Television - Video Recording - Optoelectronics - Telecommunications - Semiconductor and Electromagnetic Devices - Digital Electronics - Logic Families - Digital Systems: Timers and Pulse Circuits - Digital Systems: Arithmetic and Memory Circuits - Microprocessors and Microcomputers - Compact Disk - Personal Computers - Electronics and the Future