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Integrated Electronics: Analog and Digital Circuits and Systems
Electronic Devices and Circuits
Integrated Electronics
Electronics [by] Jacob Millman [and] Samuel Seely
Electronics, by Jacob Millman, PH. D. and Samuel Seely, PH. D.
Exposing Electronics
Electronic Devices and Circuits
Semiconductor Devices and Integrated Electronics
Electronics
Microelectronics
Electronic Circuits
Foundations of Information Theory
Millman's Electronic Devices and Circuits
Electronic Circuits
Electronic Amplifier Circuits
Electronics in Engineering
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The National Union Catalogs, 1963- Jacob Millman Jacob Millman Jacob Millman Jacob Millman Bernard Finn Cheruku Dharma Raj A. G. Milnes Paul M. Chirlan Jacob Millman Amiel Feinstein Jacob Millman (Halkias, Christos C.) Ernest James Angelo Joseph Mayo Pettit W. Ryland Hill William Aloysius Lynch George E. Happell
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it is clear that artifacts have the power to provoke thought inspire action and arouse passions there is evidence of this in the ever increasing number of museums as well as in the ability of those museums to stimulate controversy through exhibits as a consequence much has been written analyzing the interaction between objects and museum visitors less well recognized or understood is the value of objects for historical research in this series of

books we propose to show by example how artifacts can be employed in the study of the history of science and technology in ways ranging from motivating a line of research to providing hard evidence in the solution of an otherwise insoluble problem the first volume focused on medicine in this the second volume the topic our authors address is electronics as readers will discover there is considerable scope in the range of topics and in the range of uses of artifacts there is also a section that suggests to readers what kind of questions they might consider when they visit electrical exhibits and where those exhibits are to be found this series is sponsored by the deutsches museum in munich the science museum in london and the smithsonian institution in washington with help from professional historians in other museums and elsewhere

for some time there has been a need for a semiconductor device book that carries diode and transistor theory beyond an introductory level and yet has space to touch on a wider range of semiconductor device principles and applications such topics are covered in specialized monographs numbering many hundreds but the voluminous nature of this literature limits access for students this book is the outcome of attempts to develop a broad course on devices and integrated electronics for university students at about senior year level the educational prerequisites are an introductory course in semiconductor junction and transistor concepts and a course on analog and digital circuits that has introduced the concepts of rectification amplification oscillators modulation and logic and switching circuits the book should also be of value to professional engineers and physicists because of both the information included and the detailed guide to the literature given by the references the aim has been to bring some measure of order into the subject area examined and to provide a basic structure from which teachers may develop themes that are of most interest to students and themselves semiconductor devices and integrated circuits are reviewed and fundamental factors that control power levels frequency speed size and cost are discussed the text also briefly mentions how devices are used and presents circuits and comments on representative applications thus the book seeks a balance between the extremes of device physics and circuit design

providing practical information this book coordinates the physical understanding of electronics with a theoretical and mathematical basis with pedagogical use of second color it covers devices in one place so that circuit characteristics are developed early

a new chapter on applications of diodes provides essential understanding of

the internal behavior and characteristics of electron semiconductor devices low and high frequency responses covered separately pedagogy includes 90 solved problems 534 pract

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