

Photonics Optical Electronics In Modern Communications

Modern Digital Electronics
Modern Dictionary of Electronics
An Introduction to Modern Electronics
Digital Electronics
Proceedings of International Conference on Automotive Electronics and Electric Vehicles
Modern Electronics Guidebook
Proceedings of the Trends in Electronics Conference
Modern Digital Electronics
Electronics Aero Digest
Modern Electronic Materials
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R Jain Rudolf F. Graf William L. Faissler John E. Uffenbeck Michael N. Kozicki R. P. Jain John B. Watkins Jain R. P. Jain David Bruce

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part of the mcgraw hill core concepts series modern digital electronics is an ideal textbook for a course on digital electronics at the undergraduate level the text introduces digital systems and techniques through a bottom up approach that allows users to start out with the basics of integrated circuits circuit design and delve into topics such as digital design flip flops a d and d a the book then moves on to explore elements of complex digital circuits with material like fpgas plds plas and more rich pedagogical features include review questions with answers a glossary of key terms a large number of solved examples and numerous practice problems this is a concise less expensive alternative to other digital logic designs this series is edited by dick dorf

included in this revised classic are terminologies from the worlds of consumer electronics optics microelectronics communications medical electronics and packaging and production 150 line drawings

modern electronic materials focuses on the development of electronic components the book first discusses the history of electronic components including early developments up to 1900 developments up to world war ii post war developments and a comparison of present microelectric techniques the text takes a look at resistive materials topics include resistor requirements basic properties evaporated film resistors thick film resistors and special resistors the text examines dielectric materials considerations include basic properties evaporated dielectric materials ceramic dielectrics metallization process vacuum tightness and materials with large values of permittivity the text also discusses the reliability of discrete electronic components the book also explains magnetic materials focus is on basic properties preparation of ferrite materials magnetization curve and microwave properties of ferrite materials the text is a valuable reference for readers interested in electronic materials

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