



Electronics Fundamentals: Circuits, Devices & Applications (8th Edition)

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Prentice Hall, 2009. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Electronics Fundamentals Part I DC Circuits Chapter 1 Quantities and Units 1-1 Scientific and Engineering Notation 1-2 Units and Metric Prefixes 1-3 Metric Unit Conversions 1-4 Measured Numbers 1-5 Electrical Safety Chapter 2 Voltage, Current, and Resistance 2-1 Atoms 2-2 Electrical Charge 2-3 Voltage 2-4 Current 2-5 Resistance 2-6 The Electric Circuit 2-7 Basic Circuit Measurements Application Assignment: Putting Your Knowledge to Work Chapter 3 Ohm's Law, Energy, and Power 3-1 Ohm's Law 3-2 Application of Ohm's Law 3-3 Energy and Power 3-4 Power in an Electric Circuit 3-5 The Power Rating of Resistors 3-6 Energy Conversion and Voltage Drop in a Resistance 3-7 Power Supplies 3-8 Introduction to Troubleshooting Application Assignment: Putting Your Knowledge to Work Chapter 4 Series Circuits 4-1 Resistors in Series 4-2 Total Series Resistance 4-3 Current in a Series Circuit 4-4 Application of Ohm's Law 4-5 Voltage Sources in Series 4-6 Kirchhoff's Voltage Law 4-7 Voltage Dividers 4-8 Power in Series Circuits 4-9 Voltage Measurements 4-10 Troubleshooting Application Assignment: Putting Your Knowledge to Work Chapter 5 Parallel Circuits 5-1 Resistors in Parallel 5-2 Total Parallel Resistance 5-3 Voltage...



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