

Understanding Basic Concept of Electrical and Electronic Systems

Asadullah Shah



IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

UNDERSTANDING BASIC CONCEPT OF ELECTRICAL AND ELECTRONIC SYSTEMS

Editors

Asadullah Shah



IIUM Press

Published by:
IIUM Press
International Islamic University of Malaysia
First Edition, 2011
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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Bibliography p.
Includes Index
ISBN

ISBN: 978-967-418-116-1

Member of **Majlis Penerbitan Ilmiah Malaysia – MAPIM**
(Malaysian Scholarly Publishing Council)

Printed by:
IIUM PRINTING SDN. BHD.
No. 1, Jalan Industri Batu Caves 1/3
Taman Perindustrian Batu Caves
Batu Caves Centre Point
68100 Batu Caves
Selangor Darul Ehsan

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9. RESISTOR COLOR CODES

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9.0 Abstract:

The resistor is a passive component that is used to measure Ohm's Laws. There are three laws related to the Ohms law; the current, voltage and power laws. A simple conducting wire is a simplest form of resistor. It's cross sectional area length of the wire and conductivity determines the resistivity of that wire. The color coding is a way of measuring the resistance of a resistor without measuring device, such as meters or multimeters. In this lab students can learn about the color coding and resistance measurements values, through color coding, types of resistors such as variable resistor, Rheostat and others.

9.1 Introductory Information:

The ohm is defined as a resistance between 2 points of a conductor when a constant potential difference of 1 volt, applied to these points, produces in the conductor a current of 1 ampere

Procedure:

How to read Resistor Color Codes

9.2 First the code

Blac	Brow	Re	Orang	Yello	Gree	Blu	Viole	Gre	Whit
------	------	----	-------	-------	------	-----	-------	-----	------