

DEPARTMENT OF CSE
Subject: Basic Electrical & Electronics Engineering

UNIT – 1

ELECTRICAL CIRCUIT

Basic Circuit Components.

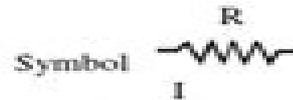
The Three basic circuit components are

1. Resistor.
2. Capacitor.
3. Inductor.

1. Resistor

It is defined as the property of the material by which it opposes the flow of current through it.

- Denoted by R
- Unit (Ω) Ohms



The relation between V & I is given by Ohm's law

$$V = IR$$

2. Capacitor.

Capacitor is a storage element which can store and deliver energy in electrical field.

- Denoted as C
- Unit is Farad (F).



3. Inductor

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M Tight



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