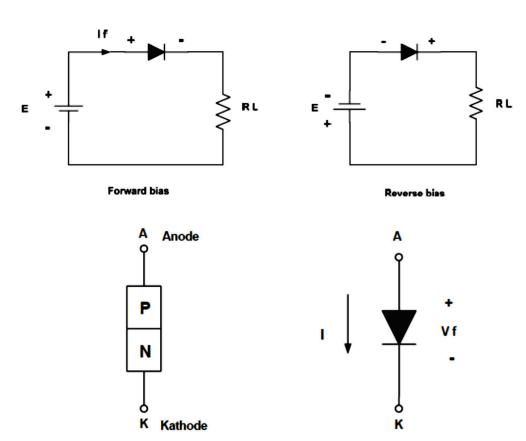


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## **Diode**

- 1. Diode characteristic.
- 2. Diode applications.
- A- Know diode characteristic.
- B- Know the application of diode.
- C- Know half wave rectifier.
- D- Know the efficiency of half wave rectifier





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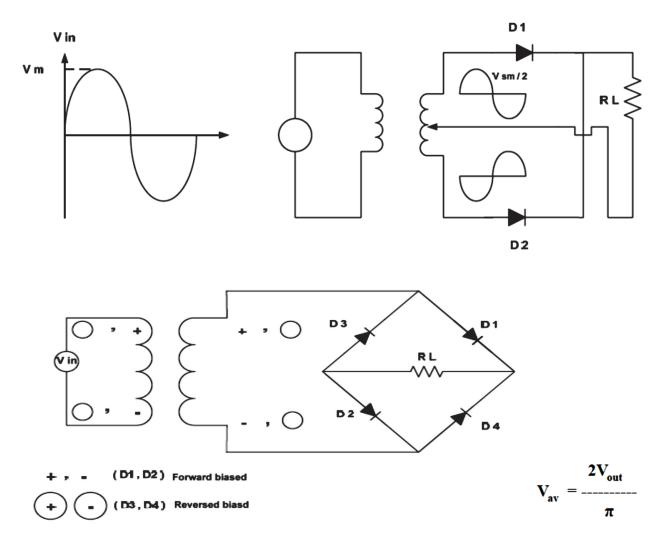
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## Full - wave rectifier

- 1. Full wave rectifier .
- 2. Types of full wave rectifier

## <u>Center – tapped full wave rectifier:</u>

A center – tapped full wave rectifier uses two diodes connected to the secondary of a center – tapped transformer as shown in figure below.



Vout = Vm(sec) - 1.4 ( because two diodes conduct at the same time)