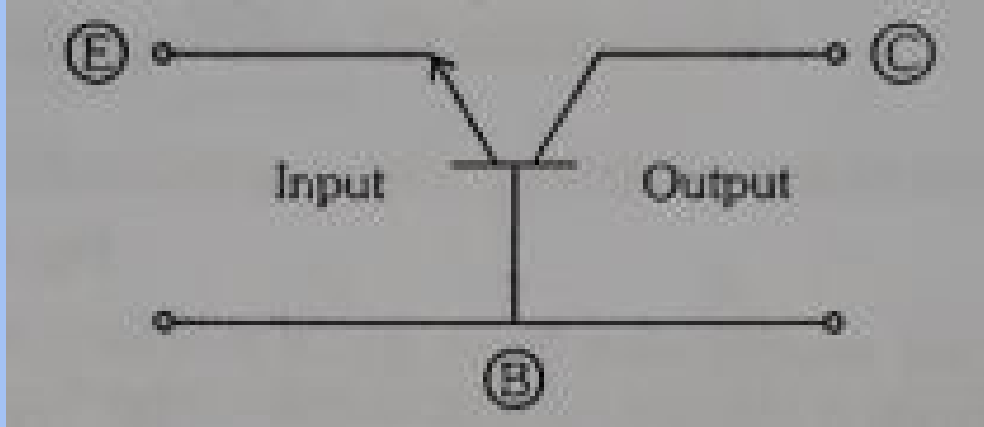


Common Base Configuration of Transistor

Elementrix Classes

Common Base Configuration of Transistor

In this configuration, the input is applied between emitter and base and output is taken from collector and base. Thus base is common to both input and output circuit.



Current amplification factor (α): It is defined as the ratio of change in collector current to the change in emitter current at constant collector base voltage V_{CB} .

$$\alpha_{dc} = \left. \frac{\Delta I_C}{\Delta I_E} \right|_{V_{CB} = \text{constant}}$$

If only dc values are considered,

$$\alpha_{dc} = \frac{I_C}{I_E}$$

पढ़िए और पढ़ाइये

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