

# Transistors - Important Topics

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## Bipolar Junction Transistor (BJT)

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A three-terminal device with base, emitter, and collector, used for amplification and switching.

## BJT Configurations

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Common Base, Common Emitter, and Common Collector configurations each have unique properties and applications.

## Biasing of BJTs

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Proper biasing is essential to maintain stability in transistor circuits.

## Junction Field Effect Transistor (JFET)

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A voltage-controlled device with high input impedance and low noise.

## MOSFET

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Metal Oxide Semiconductor Field Effect Transistor operates in enhancement or depletion modes, commonly used in power electronics.

