



Solid State Electronics – Unit 9: Transistors

Lab 2 - Transistors

Name _____

OBJECTIVES

- Evaluate the common emitter amplifier.
- Learn how a transistor operates as a switch.
- Learn how a transistor operates as an amplifier.
- View inputs and outputs of a transistor amplifier.
- Use digital meters to measure voltages at various points of transistor circuits.
- Troubleshooting of transistor circuits.
- Use circuit simulation software to understand semiconductor circuits.

MATERIALS

- PNP Transistor
- NPN Transistor
- Circuit Simulation Software

PROCEDURE

1. Use computer circuit simulation software and build the voltage divider bias circuit used last in the transistor amplifier lab.
2. Make modifications based on your instructor's inputs.





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