

ECE 351 Laboratory Parts List

Resistors

- 110 Ω , 5%, 1 Watt
- 22 Ω , 3 Watt, 5% – Load for DC Power Supply
- 1 Ω , 5%, 1 Watt
- 8 Ω , 5%, 5 Watt (15 Available for checkout)
- 1% Resistors – 12k, 100, 27k, 7.5k, 7.5k, 47, 47k, 56,56k (For ECE300 only)

Capacitors

- 0.01 μF , Ceramic, +/- 2% (For ECE 300 only)
- 220 μF , 25 Volt, electrolytic
- 470 μF , 25 Volt, electrolytic
- 680 μF , 25 Volt, electrolytic

Diodes

- Zener, 1N4733A, 5.1 V, 1 Watt
- Rectifier, 1N5401, 3 A, 50 or 100 V (4 required per group)

Integrated Circuits

- LM317– Positive adjustable voltage regulator in TO-220 package
- LM7815 – 15 Volt regulator in TO-220 package
- LM7915 – -15 Volt regulator in TO-220 package
- CA3046 – Transistor Array

Transistors

- TIP31 – 3 A, power BJT, npn
- TIP32 – 3 A, power BJT, pnp
- ZVN3306A – n-type MOSFET
- MPF102 n-type JEFT

Hardware

- Heat sinks for TO-220 Package
- Heat sink for 16 – pin dip package

Misc

- 12V AC to AC Wall transformer, 500 mA (15 Available for checkout)