

"L Series"
3003L
3005L
6003L

Single output DC Power Supplies with Fixed output

- 3003L** Single output 30V @ 3A with one fixed output 5V @ 1A
- 3005L** Single output 30V @ 5A with one fixed output 5V @ 1A
- 6003L** Single output 60V @ 3A with one fixed output 5V @ 1A

- Ideal for production testing or School labs
- Designed for reliable operation
- Excellent Load and Line Regulation
- Low Noise and Ripple
- Output may be disconnected from load by pressing a button
- Two 3 digit LEDs displays for monitoring voltage and current
- Continuously adjustable fine and course Output voltage and Constant current controls



3003L / 3005L / 6003L

SPECIFICATIONS

3003L

- **Variable Output**
Volts: 0 to $\pm 30V$ DC
Amps: 0 to 3Amps
- **Constant Voltage Mode**
Line Regulation: 0.01% + 3mV
Load Regulation: 0.01% + 2mV
Ripple and noise: ≤ 2.0 mV RMS
- **Constant Current Mode**
Load Regulation: $\leq 0.2\%$ + 3mA
Line Regulation: $\leq 0.2\%$ + 0.3mA
Ripple and noise: ≤ 3 mA RMS
- **Digital Display**
Accuracy:
Voltmeter: $\pm(0.2\% \text{ rdg} + 2d)$
Amps: $\pm(1.0\% \text{ rdg} + 2d)$
Resolution:
Voltmeter: 0.1V
Ammeter: 0.01A
- **Fixed output**
Voltage: 5Volts
Amps: 1Amp
Voltage Accuracy: $\pm 1.0\%$
Ripple and Noise: ≤ 2 mV RMS

3005L

- **Variable Output**
Volts: 0 to $\pm 30V$ DC
Amps: 0 to 5 Amps
- **Constant Voltage Mode**
Line Regulation: 0.01% + 3mV
Load Regulation: 0.01% + 2mV
Ripple and noise: ≤ 2.0 mV RMS
- **Constant Current Mode**
Load Regulation: $\leq 0.2\%$ + 3mA
Line Regulation: $\leq 0.2\%$ + 0.3mA
Ripple and noise: ≤ 3 mA RMS
- **Digital Display**
Accuracy:
Voltmeter: $\pm(0.2\% \text{ rdg} + 2d)$
Ammeter: $\pm(1.0\% \text{ rdg} + 2d)$
Resolution:
Voltmeter: 0.1V
Ammeter: 0.01A
- **Fixed output**
Voltage: 5Volts
Amps: 1Amp
Voltage Accuracy: $\pm 1.0\%$
Ripple and Noise: ≤ 2 mV RMS

6003L

- **Variable Output**
Volts: 0 to $\pm 60V$ DC
Amps: 0 to 3Amps
- **Constant Voltage Mode**
Line Regulation: 0.01% + 3mV
Load Regulation: 0.01% + 2mV
Ripple and noise: ≤ 2.0 mV RMS
- **Constant Current Mode**
Load Regulation: $\leq 0.2\%$ + 3mA
Line Regulation: $\leq 0.2\%$ + 0.3mA
Ripple and noise: ≤ 3 mA RMS
- **Digital Display**
Accuracy:
Voltmeter: $\pm(0.2\% \text{ rdg} + 2d)$
Amps: $\pm(1.0\% \text{ rdg} + 2d)$
Resolution:
Voltmeter: 0.1V
Amps: 0.01A
- **Fixed output**
Voltage: 5Volts
Amps: 1Amp
Voltage Accuracy: $\pm 1.0\%$
Ripple and Noise: ≤ 2 mV RMS

General Specifications (All Models)

AC Input Voltage: 110V to 127V @ 60Hz
220V to 240V @ 50Hz selectable

Dimensions

Size: 5.1"(W) x 6.3"(H) x 12.2"(D)
Weight: 14 lbs (3005L, 6003L), 11 lbs (3003L)

Environmental

Storage Temp: -10°C to 70°C @ $< 70\%$ R.H
(-14°F to 158°F)

Operating Temp: 0°C to 40°C @ $< 80\%$ R.H
(32°F to 104°F)

Temperature Coefficient: 300ppm/ $^{\circ}\text{C}$

Accessories: Operating manual and AC Line Cord

Mouser Electronics

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