



**LinearDimensions**  
SEMICONDUCTOR

## LND-7800/78L00

LOW DROPOUT REGULATOR

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### Low Dropout Regulator

What is the LND-7800?

The LND-7800/78L00 is Linear Dimensions' version of the popular LND-7800 series low dropout regulator family. These devices offer voltage regulation at extremely low cost. The devices are particularly useful in applications such as wall adaptors, toys, or wall plugged devices which aren't power critical but which require power regulation. These devices are available in a variety of voltage varieties including 5, 6, 8, 9, 12, 15, 18 and 24V.

How does it work?

To use the device simply connect the power and GND pins, the centre pin will represent the regulated output voltage.

How Do I get samples?

The LND-7800/78L00 are available in standard TO-92 plastic packages in both sample and volume. When ordering, replace the 00 with the appropriate voltage level, eg. LND-7805 would result in a 5V, TO-92, plastic package part.

### Features

- Up to 1.5A Output Current
- Low Noise
- Ripple Rejection
- Thermal Shutdown
- Current Limiting
- Various Voltages Including:  
5, 6, 8, 9, 12, 15, 18 and 24V.

### Applications

- Wall Power Adaptors
- Electronic Toys
- Electronic Power Supply Output Regulators
- Industrial Controllers

### Block Diagram:

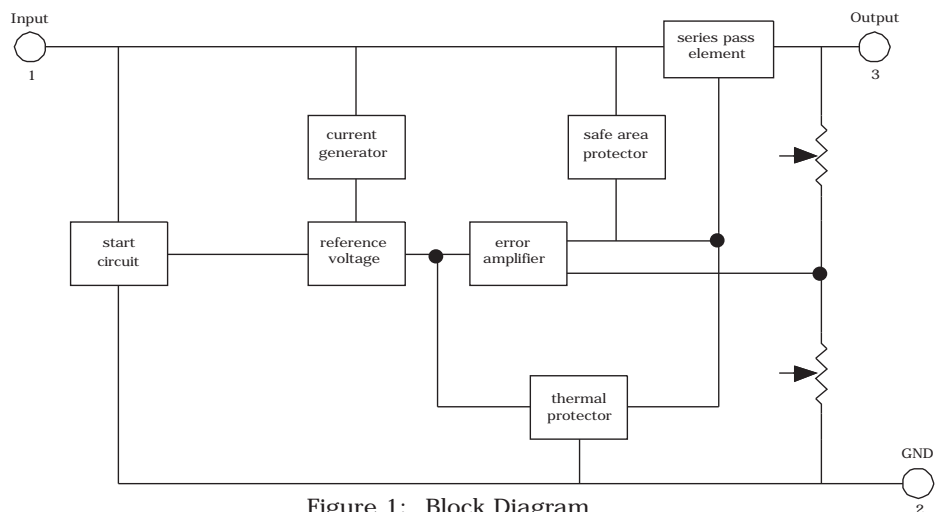


Figure 1: Block Diagram