



# PyroElectro.com - PyroEDU

## Introduction To Modern Electronics – Lesson 5: The Inductor






### RESISTOR COMPARISON

The following information is meant to go with the online lesson found here:

<http://www.pyroelectro.com/edu/basics/inductor/>

### DIFFERENT TYPES OF INDUCTORS

The different inductors seen below are but a taste of the many types of inductors available to buy. However, these are some of the most commonly seen inductors, so take a look through and remember them for your future endeavors in electronics.

Picture	Type	Description
	Air Coil Inductor	This is the most common type of inductor. A piece of wire wrapped around and around in a circle.
	Inductor Chokes	These inductors look just like resistors with a 4 color code to know its inductance value. These inductors usually have a large inductance value.
	Toroid Core Inductor	This type of inductor wraps a piece of wire around a toroid which is usually a ferro-magnetic material or iron core.
	Variable Inductor	These inductors consist of a coil on the outside and a magnetic ferrite core which screws in and out of the middle, to vary inductance.
	Surface Mount Inductor	Small surface mount inductors like these are very useful to save space in crowded circuits on PCBs.

### ADDITIONAL INFORMATION

To ask questions about anything found in this information please head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=22>