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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>