



PyroElectro.com - PyroEDU

Introduction To Modern Electronics – Lesson 4: The Capacitor




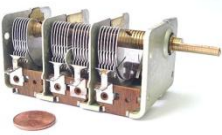
RESISTOR COMPARISON

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

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

DIFFERENT TYPES OF CAPACITORS

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

Picture	Type	Description
	Electrolytic Thru-Hole Capacitor	Electrolytic capacitors are used for larger capacitance value capacitors, typically for values larger than $1\mu\text{F}$.
	Ceramic Thru-Hole Capacitor	Ceramic capacitors are used for the smaller end of the capacitor value spectrum, typically for values smaller than $1\mu\text{F}$.
	Ceramic Surface Mount Capacitor	Ceramic surface mount capacitors perform the same as their larger thru-hole brothers but they save time, space and work just as well. Electrolytic surface mount capacitors can also be found.
	Variable Parallel Plate Capacitor	More in-line with our parallel plate capacitor example, here is a very low value (10-50 picoFarad!) capacitor. This type of capacitor is often used in tuning circuits, like in radios.

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>