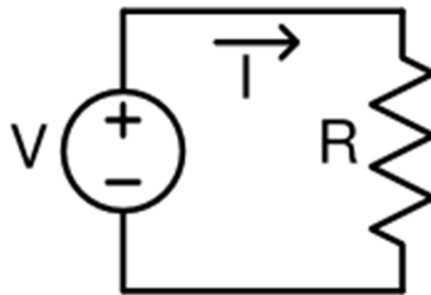
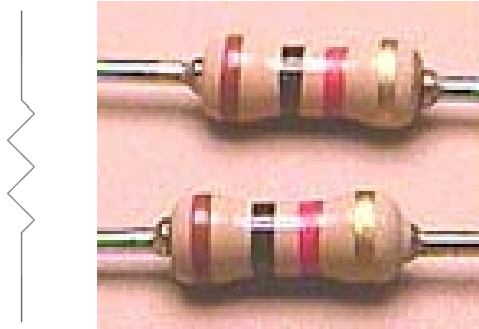


Resistor : Definition

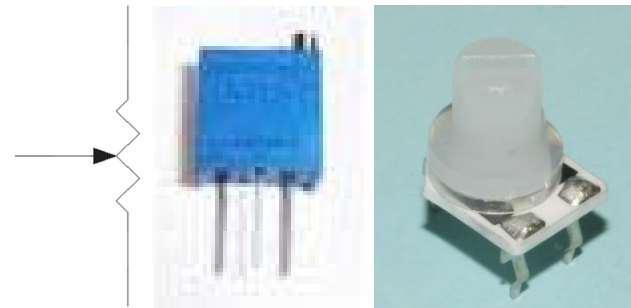
- A **resistor** is a two-terminal electrical or electronic component that resists an electric current by producing a voltage drop between its terminals in accordance with Ohm's law.



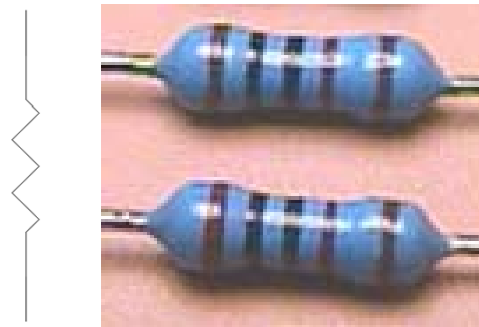
Resistors : Types and Package Styles



Carbon Film Resistors – 4 Bands



Variable Resistors

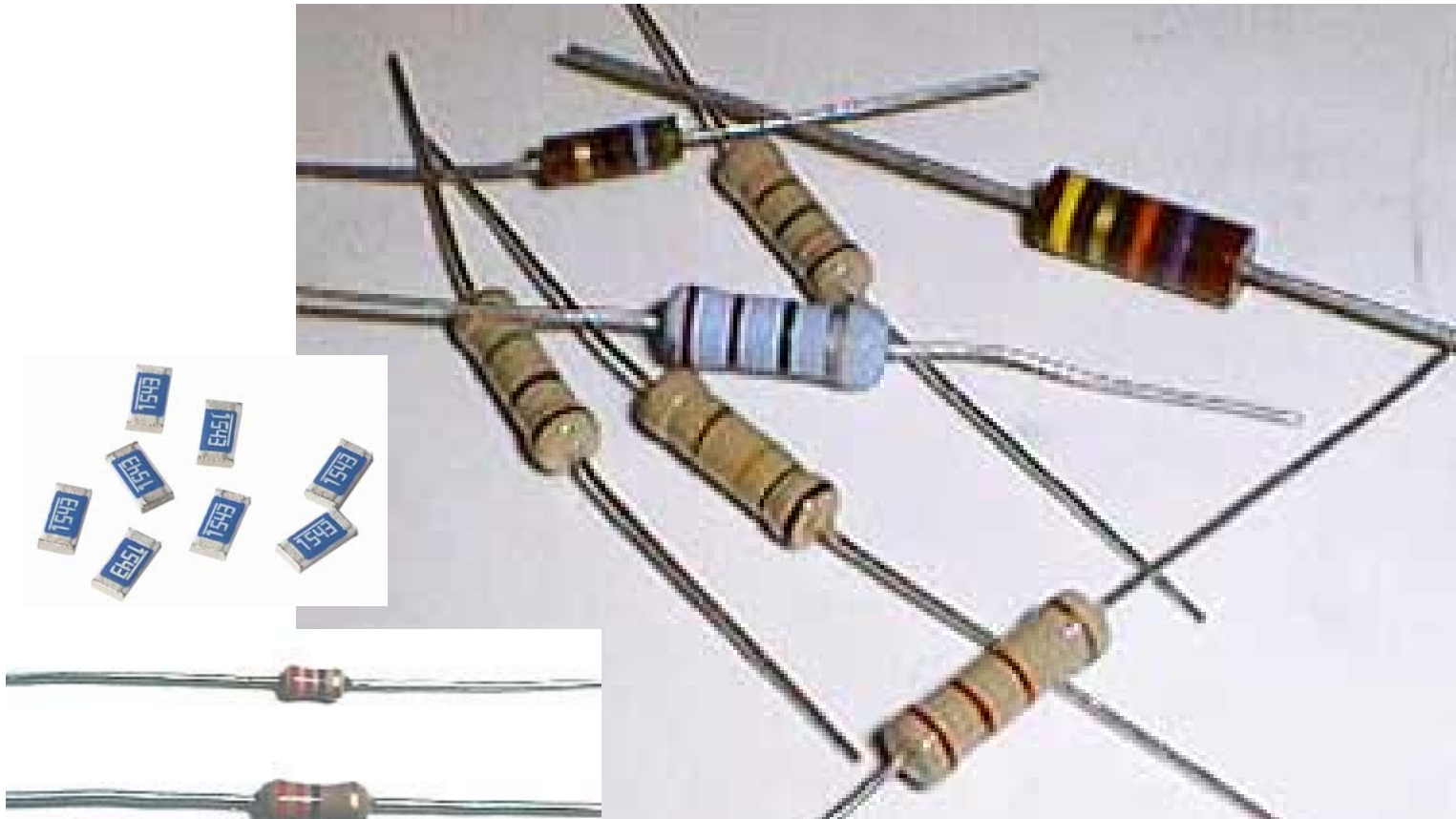


Carbon Film Resistors – 5 Bands



Surface Mount Resistors

Resistors : Size Comparison



1/8 Watt



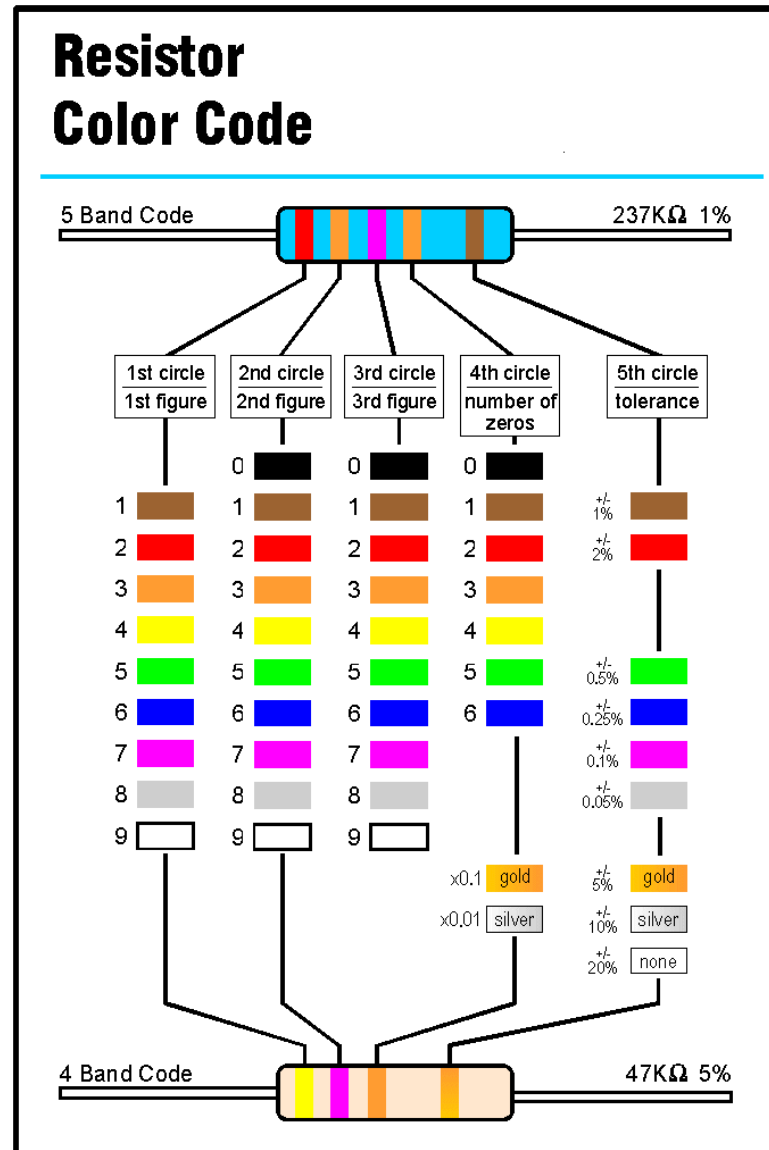
1/4 Watt



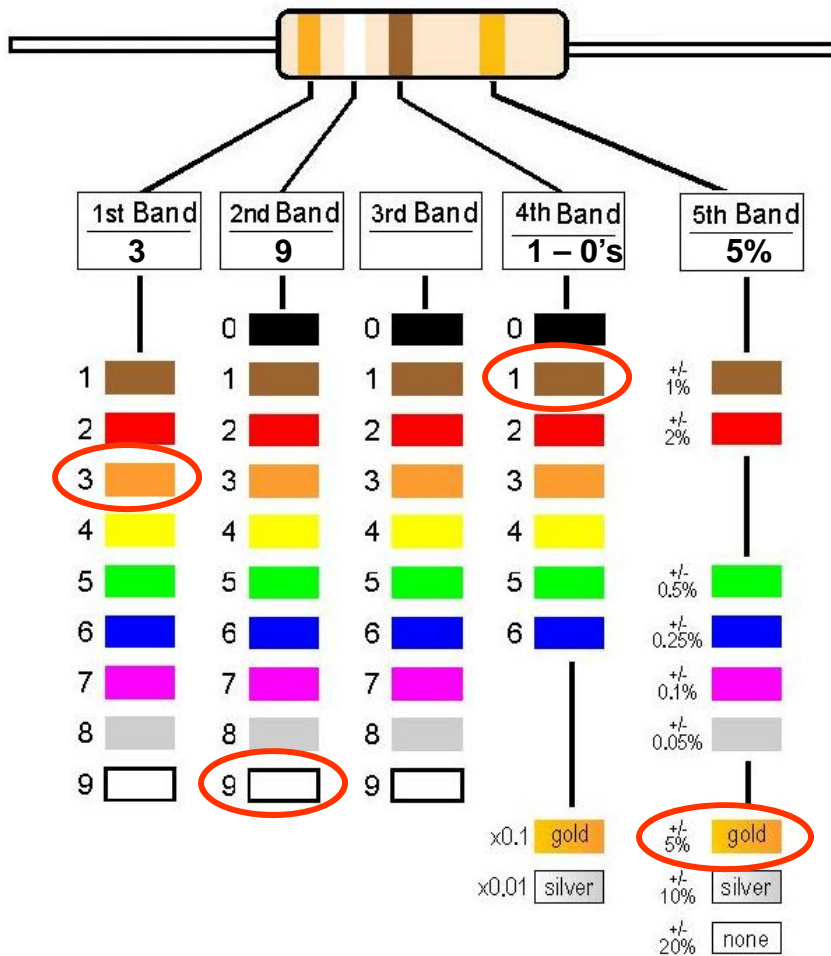
1/2 Watt



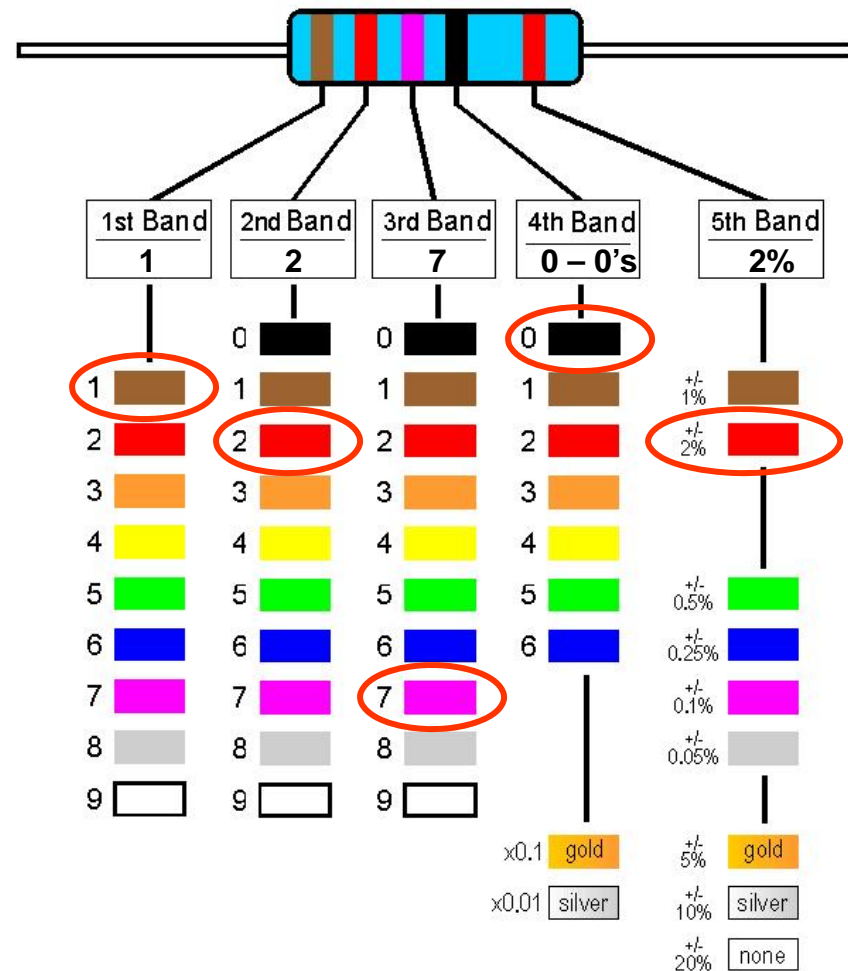
Resistors : How To Read Nominal Value



Resistors : Examples

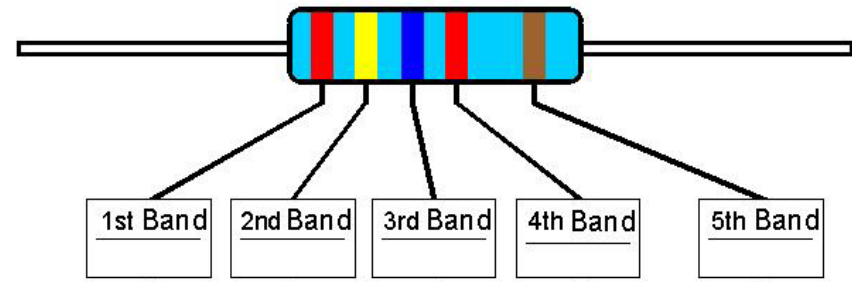
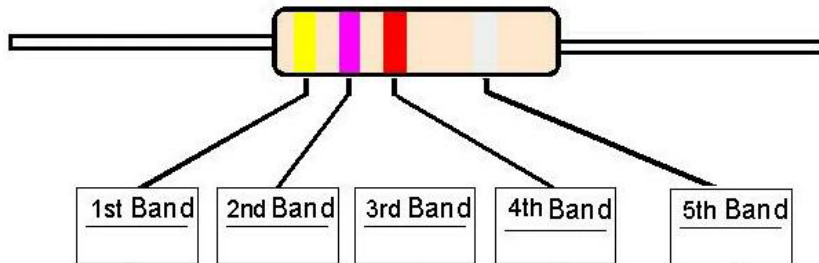


$390 \Omega \pm 5\%$



$127 \Omega \pm 2\%$

Resistors : Breakout Problems



Resistors : How To Measure Actual Value

