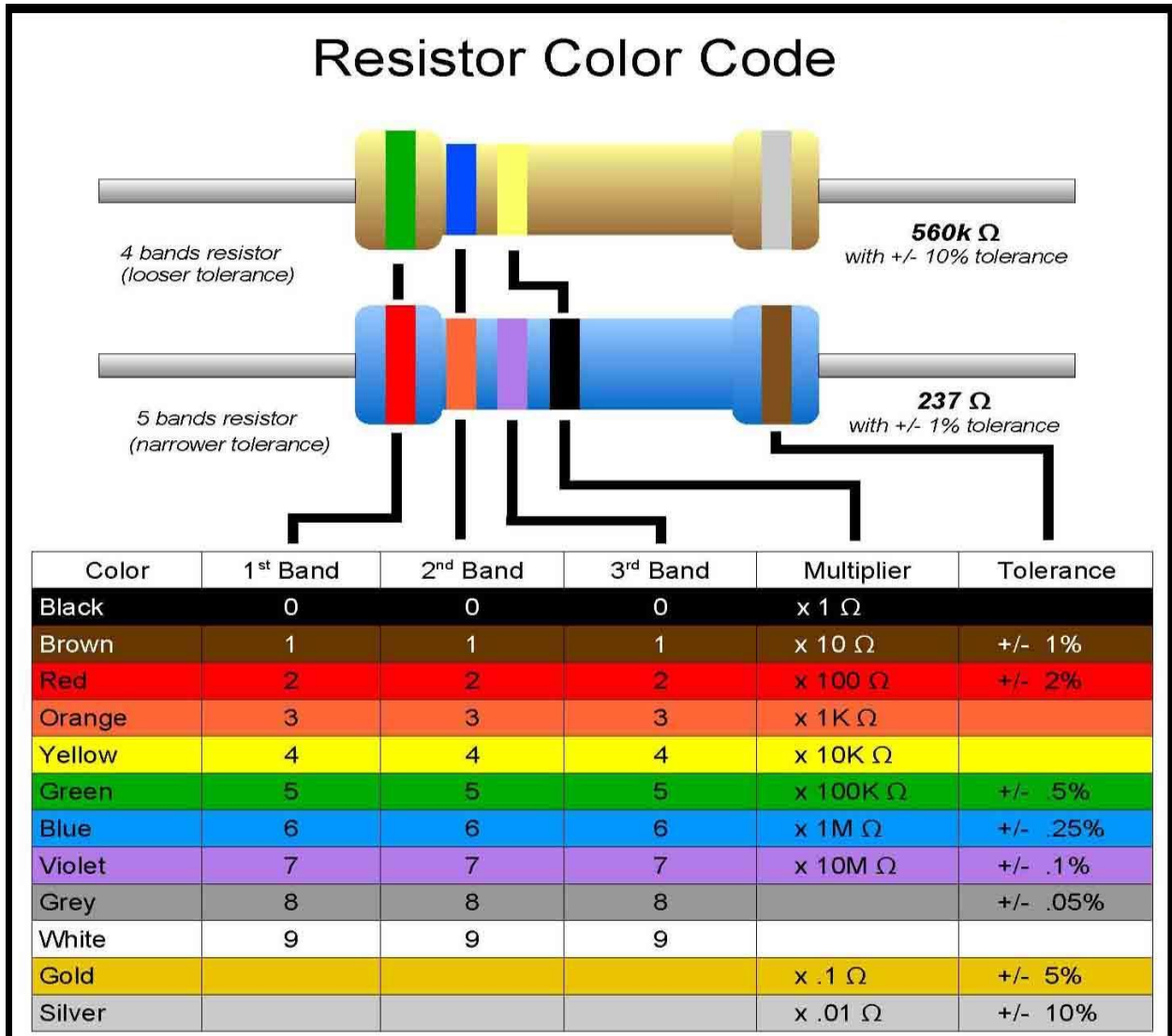


# Resistors

A resistor is a passive element in an electrical circuit that restricts the flow of current. Resistors typically have four or five color bands which represent the value and tolerance. On a four band resistor, there are two digit bands, one multiplier band, and one tolerance band. On a five band resistor, there are three digit bands, one multiplier band, and one tolerance band.

Below is a chart to help with reading resistor values.



Example: 4-Band Resistor

**Red Green Brown Gold = 250 Ω +/- 5% = 262.5/237.5 Ω**

|     |     |     |  
 2    5    x10   5%