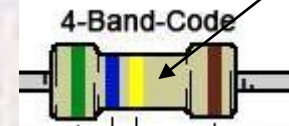
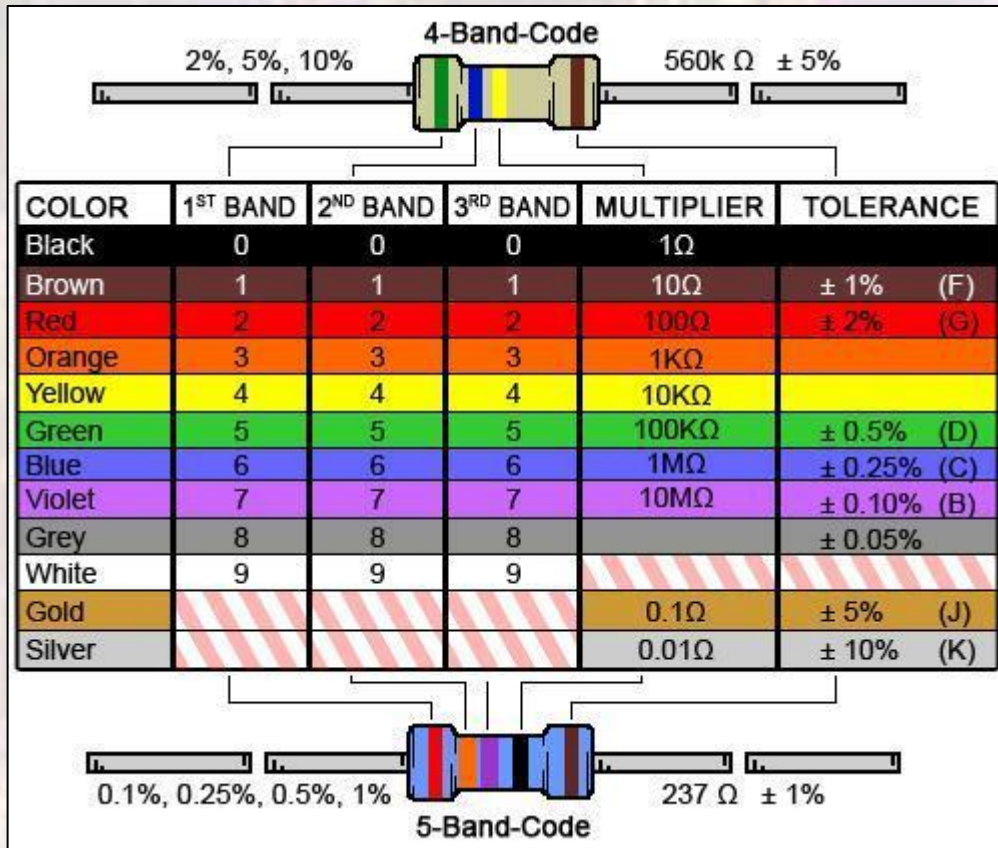


Resistor Values – last updated 8/16/21

- Color Chart
- Count the number of bands on the resistor first (4 or 5)



$$(\text{Band1} \times 10 + \text{Band2}) \times 10^{\text{Band3}}$$

Green

5

Blue

6

Yellow

4

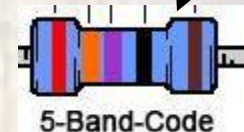
$$(5 \times 10 + 6) \times 10^4 = 560,000\Omega = 560\text{K}\Omega$$

Gold

+/- 5%

560KΩ +/-5%

Note – we use Engineering Notation



$$(\text{Band1} \times 100 + \text{Band2} \times 10 + \text{Band3}) \times 10^{\text{Band4}}$$

red – orange – violet – black – brown

$$(2 \times 100 + 3 \times 10 + 7) \times 10^0 = 237\Omega \text{ +/- 1\%}$$