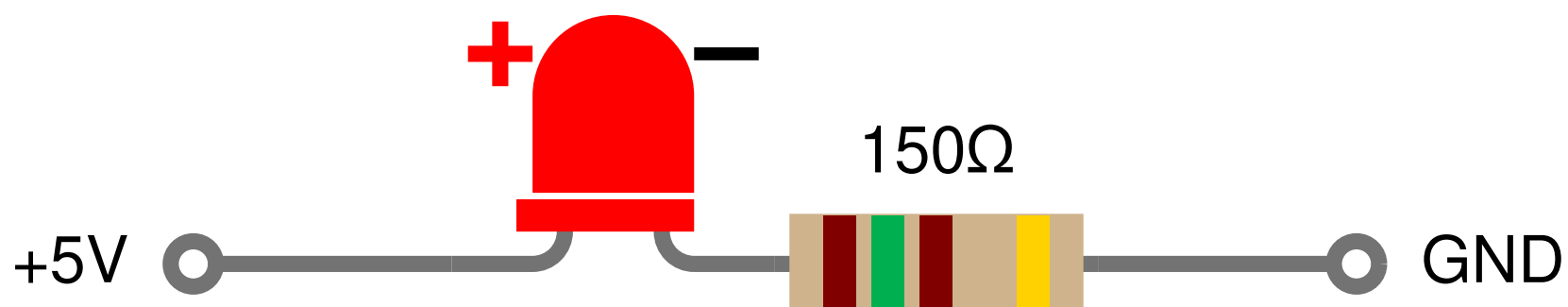


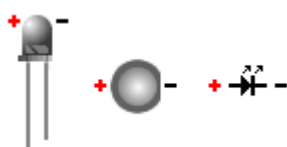
LED Calculator

ledcalculator.net

- Power supply voltage (V): 5
 - LED voltage drop (V): 2
- LED current rating (mA): 20
 - Number of LEDs: 1



- You will need 1 x 150 ohm 1/8 watt resistor.
- The 150 ohm resistor is color coded: Brown, Green, Brown, Gold.
 - Each 150 ohm resistor consumes 60 milliwatt.
- Total power consumed by the resistors is 60 milliwatt.
 - Total power consumed by the LEDs is 40 milliwatt.
- Total power consumed by the circuit is 100 milliwatt.
- Total current drawn by the circuit is 20 milliampere.
- The resistor values are calculated based on the common $\pm 5\%$ tolerance resistors.
 - Make sure to wire the LEDs in the correct direction as shown below.
- Always leave some space for the resistors to breathe. They might get hot.



<https://ledcalculator.net/#p=5&v=2&c=20&n=1&o=w>