

$$V=IR$$

$$P=VI$$

RESISTOR

$$v=5$$

$$r=1000$$

$$i=v/r$$

$$i=0.005$$

5 Milliamps

$$5*0.005$$

$$P=VI$$

$$p=0.025$$

25 Milliwatts

MULTICOLOR LED

$$v=3.3$$

$$i=0.005$$