

Ohms Law

Value of Resistance = Volt in Resistor / Current in Resistor

$$R = V / A \text{ Eg. } 12 \text{ V} / 0.02 \text{ A} = 600 \text{ R(Ohms)}$$

As Voltage increases, Current also increases

Value of Resistor = Volt meter reading / Current meter reading

$$12\text{V} / 0.1\text{A} = 120 \text{ K}$$

$$\text{Current} = V / R = 6\text{V} / 100\text{R} = 0.06 \text{ A Or } 60 \text{ mA}$$

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