Ohms Law

To Determine an Unknown Voltage: E = I x R

E = Volts
I = Current, Amps
R = Resistance, Ohms

Example: .25 Amps (I) x 96 Ohms (R) = 24 Volts (E)

To Determine an Unknown Current: I = P / E

E = Volts
I = Current, Amps
P = Power, Watts

Example: 6 Watts (P) ÷ 24 Volts (E) = .25 Amps (I)

To Determine an Unknown Current: I = E / R

E = Volts
I = Current , Amps
R = Resistance, Ohms

Example: 24 Volts (E) ÷ 96 Ohms (R) = .25 Amps (I)

To Determine an Unknown Wattage: P = E x I

E = Volts
I = Current, Amps
P = Power, Watts

Example: 24 Volts (E) x .25 Amps (I) = 6 Watts (P)

To Determine an Unknown Resistance: R = E / I

E = Volts
I = Current, Amps
R = Resistance, Ohms

Example: 24 Volts (E) ÷ .25 Amps (I) = 96 Ohms (R)

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