PURKEYS
A MISSION CRITICAL ELECTRONICS BRAND

Meter Reference Sheet – Ohm's Law
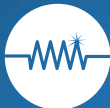
P = Power

V = Voltage
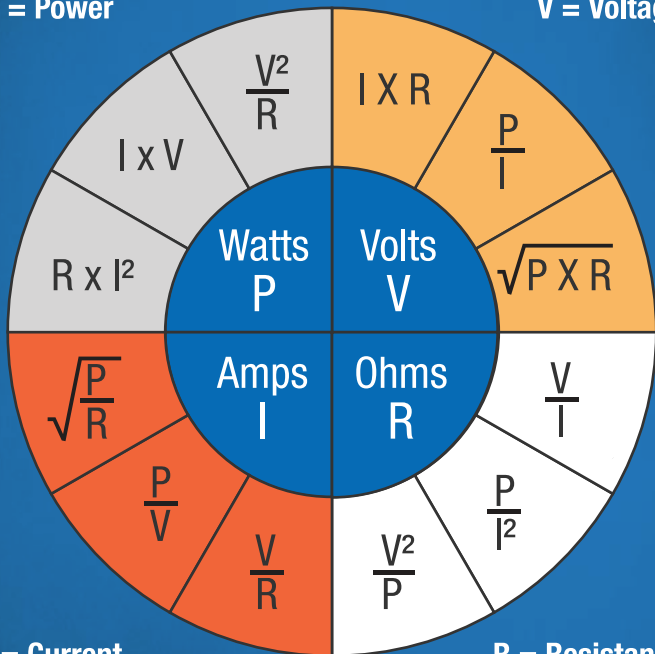
$\dfrac{V^2}{R}$

I x V

R x I²

I X R

$\dfrac{P}{I}$

$\sqrt{P \times R}$

Watts
P

Volts
V

Amps
I

Ohms
R

$\sqrt{\dfrac{P}{R}}$

$\dfrac{P}{V}$

$\dfrac{V}{R}$

$\dfrac{V}{I}$

$\dfrac{P}{I^2}$

$\dfrac{V^2}{P}$

I = Current

R = Resistance

SI-1007C

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Meter Reference Sheet

X > 10	Value of x is greater than 10
X < 10	Value of x is less than 10
X ≥ 10	Value of x is equal to or greater than 10
X ≤ 10	Value of x is equal to or less than 10

Voltage Drop Calculations

m = Thousandth Part ..... 10^{-3} (.000)

Voltage and Amperage Calculations

k = Thousand Fold ..... 10^3 (1,000)

M = Million Fold ..... 10^6 (1,000,000)

Examples

3.15 MΩ	=	3.15 Ω	x	10^6	=	3,150,000 Ω
0.85 MΩ	=	0.85 Ω	x	10^6	=	850,000 Ω
21.02 MΩ	=	21.02 Ω	x	10^6	=	21,020,000 Ω
26.32 kΩ	=	26.32 Ω	x	10^3	=	26,320 Ω
2.156 kΩ	=	2.156 Ω	x	10^3	=	2,156 Ω
0.952 kΩ	=	0.952 Ω	x	10^3	=	952 Ω
3.4 Ω	=	3.4 Ω	x	1	=	3.4 Ω
28.6 Ω	=	28.6 Ω	x	1	=	28.6 Ω