

Electrical Engineering Formulas Cheat Sheet

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Formula Ohm 's law : $IR = R \text{ getcalc } R \text{ Voltage (V) Current (A) Resistance (Q)}$ Formula Ripple Factor : $\text{Ripple Factor} = \frac{\text{RMS Voltage DC Voltage}}{\text{getcalc Formula dc Rectifier Efficiency DC}}$ output power $p = K \text{ input power getcalc. Formula Single phase : Volts} \times \text{Amperes} \times \text{PF} \times \text{Eff}$ Horsepower — 745.7 Watts = Volts x Amperes x PF Volts x Amperes x PF Kilowatts = 1000 Volts x Amperes x PF x hours Kilowatt-hours = 1000 Volts x Amperes KVA = Eff 1 000 Kilo-Volts-Amperes Power Factor Efficiency getcalc.

Electrical Engineering Formulas Ohms Law - getcalc.com

$G' = \frac{1}{R}$ (for D & C circuit) $G' = \frac{R_2}{R_1^2 + X_2^2}$. (for A C circuit) $X_C' = \frac{1}{2BfC}$ $C' = \frac{1}{2BfXC}$. $X_L' = \frac{2BfL}{L'}$ $X_L = \frac{2BfZ}{Z'}$ $R_2\%(X_L \& X_C)$ 2(for series circuit) $Z' = \frac{RX}{R_2\%X}$ (for R and X in parallel) $Q' = \frac{X_L}{R}$ or X_C . R.

ELECTRONIC FORMULAS

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Engineer's Mini-Notebook - Formulas, tables and Basic Circuits

$P(A|D)$ = probability of event A given event D $P(A)$ = probability of event A occurring not occurring $P(D|\sim A)$ = probability of event D given event A did not occur. Place data in ascending order. Mode = most frequently occurring value. If two values occur at the maximum frequency the data set is bimodal.

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Electrical cheat sheet (equations) M J Rhoades. Ohms law $E = I R$ where: E = volts I = amperage in amps R = resistance in ohms $P = I^2 R$, $R = \frac{E}{I}$ where: P = watts, $R = \frac{E^2}{P}$

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INTRODUCTION TO UNIT 1—ELECTRICIAN'S MATH AND BASIC ...

Electrical Engineering General Formulas (photo by Thomas W @ Flickr) Introduction This spreadsheet calculates the most common and basic electrical engineering formulas.

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