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Electrical Engineering Calculators - iFigure

The open-circuit terminal voltage of the network is calculated; this value is E_{Th} . Because no current can flow through R_3 , the voltage E_{Th} (VAB) is the same as the voltage across resistor R_2 . Use the voltage-divider rule to find E_{Th} : $E_{Th} (100 \text{ V}) [100/(100 + 100)] 50 \text{ V}$. 2. Calculate the Thevenin Resistance (Fig.

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Design Calculations for Electrical Design

Electrical and mechanical power calculation (strength) Energy E is in joules, and time t is in seconds. $1 \text{ W} = 1 \text{ J/s}$. Power = force multiplied by displacement divided by time $P = F \times s / t$ or Power = force multiplied by speed (velocity) $P = F \times v$. Undistorted powerful sound is not found in these formulas.

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