



Linear Circuits

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An introduction to linear electric circuit elements and a study of circuits containing such devices.







Power Factor and Power Triangles Part 1

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Gain an understanding of the way that sinusoidal power is analyzed.





Previous Lesson

Calculated RMS values

Sinusoid and triangular function examples





Module 5: Power

- Root-Mean Square
- Power Factor and Power Triangles
- Maximum Power Transfer
- Transformers





Lesson Objectives

- Identify average power in resistive and reactive devices
- Calculate complex power





Instantaneous Power





Average Power





Average Power





Complex Power





What Complex Power Represents







- Calculated complex power
- Identified the meaning behind complex power





Next Lesson

- Power triangles
- Define important quantities for power analysis

