

Principles of Alternating Voltages and Currents, Complex Impedance, Transient DC Voltages

### Practical Electronics for Inventors, 3ed & 4ed

| Chapter   | Topic   | Section   | Pages   |
|-----------|---|---|---|
| Chapter 2 | <i>Basic Theory of Electronics</i><br>AC Circuits, RMS Voltages & Currents<br>Complex Numbers<br>Capacitors and Inductors<br>Transients | Sections 2.20 - 2.21<br>Section 2.26<br>Sections 2.23 - 2.24<br>Sections 2.34 | pp 80 - 92<br>pp 159 - 164<br>pp 94 - 155<br>pp 223 - 235 |
| Chapter 3 | <i>Basic Electronic Circuit Components</i><br>Capacitors and Inductors  | Sections 3.6 - 3.7  | pp 324 - 374  |

### Schaum's Outline of Basic Electricity, 2ed

| Chapter | Topic  | Pages     | Solved Problems | Supplemental Problems |
|---------|--|-----------|-----------------|-----------------------|
| 17      | Complex Numbers  | 385 - 392 | None            | None                  |
| 12      | Principles of Alternating Current                          | 252 - 262 | 12.1 - 12.16    | 12.17 - 12.42         |
| 14      | Capacitance, Capacitive Reactance, and Capacitive Circuits | 305 - 317 | None            | None                  |
| 13      | Inductance, Inductive Reactance, and Inductive Circuits    | 275 - 290 | None            | None                  |
| 15      | RCL Circuits   | 332 - 345 | None            | None                  |