500 kHz Common Mode EMI Inductors

Common mode EMI Inductors
Designed for higher frequency power conversion
For use in SMPS input filtering circuits

### Electrical Specifications at 25°C — Operating Temp. –40° to +130°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Rated RMS Current (A.Normal)</th>
<th>Inductance (± 30%) mH</th>
<th>DCR (Ω MAX)</th>
<th>Case</th>
<th>Leakage Inductance (MIN/MAX µH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-96161</td>
<td>0.5</td>
<td>33</td>
<td>1.40</td>
<td>3</td>
<td>160/320</td>
</tr>
<tr>
<td>PE-96165</td>
<td>1.0</td>
<td>18</td>
<td>0.50</td>
<td>1</td>
<td>120/320</td>
</tr>
<tr>
<td>PE-96166</td>
<td>1.0</td>
<td>5.6</td>
<td>0.30</td>
<td>3</td>
<td>30/60</td>
</tr>
<tr>
<td>PE-96168</td>
<td>2.0</td>
<td>15</td>
<td>0.29</td>
<td>1</td>
<td>100/220</td>
</tr>
<tr>
<td>PE-96173</td>
<td>3.15</td>
<td>5.6</td>
<td>0.10</td>
<td>1</td>
<td>40/80</td>
</tr>
<tr>
<td>PE-96175</td>
<td>3.15</td>
<td>3.3</td>
<td>0.07</td>
<td>3</td>
<td>15/25</td>
</tr>
<tr>
<td>PE-96177</td>
<td>3.15</td>
<td>2.2</td>
<td>0.06</td>
<td>3</td>
<td>10/20</td>
</tr>
<tr>
<td>PE-96178</td>
<td>3.15</td>
<td>1.2</td>
<td>0.04</td>
<td>3</td>
<td>6/15</td>
</tr>
<tr>
<td>PE-96179</td>
<td>3.15</td>
<td>1.2</td>
<td>0.04</td>
<td>4</td>
<td>5/14</td>
</tr>
<tr>
<td>PE-96181</td>
<td>5.0</td>
<td>3.9</td>
<td>0.06</td>
<td>1</td>
<td>25/60</td>
</tr>
<tr>
<td>PE-96186</td>
<td>6.3</td>
<td>2.7</td>
<td>0.04</td>
<td>1</td>
<td>20/45</td>
</tr>
<tr>
<td>PE-96187</td>
<td>8.0</td>
<td>3.3</td>
<td>0.033</td>
<td>2</td>
<td>20/45</td>
</tr>
<tr>
<td>PE-96188</td>
<td>10.0</td>
<td>1.8</td>
<td>0.02</td>
<td>2</td>
<td>10/25</td>
</tr>
<tr>
<td>PE-96189</td>
<td>12.5</td>
<td>1.5</td>
<td>0.015</td>
<td>2</td>
<td>10/20</td>
</tr>
<tr>
<td>PE-96190</td>
<td>15.0</td>
<td>1.0</td>
<td>0.01</td>
<td>2</td>
<td>7/15</td>
</tr>
</tbody>
</table>

### Dimensions: inches (mm)
- Unless otherwise specified, all tolerances are ± .010
- **Level of Encapsulation**

**Schematic**

**NOTES:**
1. Leads have .031/.039 diameter.
2. Self-leaded: PE-96187 has .036 nom. diameter leads. PE-96188 & PE-96189 have .045 nom. diameter leads. PE-96190 has .051 nom. diameter leads.

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