**ADSL LINE TRANSFORMER SURFACE MOUNT MAGNETICS**

- EN60950 Basic Insulation compliant 250Vrms
- SMD compact foot print design
- Industrial operating temp: -40°C to +85°C

### Electrical Specifications @25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Turns Ratio (100KHz,0.1V)</th>
<th>OCL (100KHz,0.1V)</th>
<th>LL (100KHz,0.1V)</th>
<th>Cww (100KHz,0.1V)</th>
<th>DCR</th>
<th>THD</th>
<th>Hi-Pot VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEP044SI</td>
<td>1-4:8-6 (short 2-3,5-7-8)</td>
<td>1-4 (short 2-3)</td>
<td>1-4 (short 2-3,5-6-7-8)</td>
<td>1-8 (short 2-3,6-7)</td>
<td>1-4 (short 2-3)</td>
<td>8-5 (short 6-7)</td>
<td>10KHz,1.7Vrms (0.5mA/1s)</td>
</tr>
<tr>
<td></td>
<td>2:1 ± 2%</td>
<td>800uH ± 10%</td>
<td>2.5uH max</td>
<td>50pF max</td>
<td>3Ω max</td>
<td>2Ω max</td>
<td>-78dB max</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

- **SUGGESTED PAD LAYOUT**
- **SCHEMATICS**

Units: mm

Unless otherwise specified all tolerances are: ± 0.25 in mm