ADSL LINE TRANSFORMER SURFACE MOUNT MAGNETICS

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

### Electrical Specifications @25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Turns Ratio (10KHz,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>25KHz,5Vrms (1mA/60S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEP003SI</td>
<td>1-4, 8-6 (short 2-3, 5-7)</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, 5-7)</td>
<td>1-8 (short 2-3)</td>
<td>1-8 (short 2-3)</td>
<td>8-6 (short 5-7)</td>
</tr>
<tr>
<td></td>
<td>0.90:1±2%</td>
<td>1mH±7%</td>
<td>10.5uH max</td>
<td>20pF max</td>
<td>40pF max</td>
<td>1.6Ω max</td>
<td>1.6Ω max</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

- **SUGGESTED PAD LAYOUT**

Units:mm

Unless otherwise specified all tolerances are: ±0.25 in mm

### SCHEMATICS

![Schematic Image]