EN60950 Basic Insulation compliant 250Vrms
SMD compact footprint 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 (10KHz,0.1V)</th>
<th>LL (100KHz,0.1V)</th>
<th>Cww (100KHz,0.1V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEP027SI</td>
<td>16-9:1-4 (short 11-14,2-3)</td>
<td>16-9:5-8 (short 11-14,6-7)</td>
<td>16-9 (short 11-14)</td>
<td>16-9 (short11-14,1-2-3-4-5-6-7-8)</td>
</tr>
<tr>
<td></td>
<td>4.29:1±2%</td>
<td>1:1±2%</td>
<td>400µH±5%</td>
<td>15µH max</td>
</tr>
</tbody>
</table>

### Continue

<table>
<thead>
<tr>
<th>DCR</th>
<th>THD (20KHz,5.3Vrms)</th>
<th>LB (35KHz-650KHz)</th>
<th>Hi-Pot VAC (1mA/2s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-9 (short 11-14)</td>
<td>1:1 2%</td>
<td>-80dB max</td>
<td>55dB min</td>
</tr>
<tr>
<td>5-8 (short 6-7)</td>
<td>35pF max</td>
<td>-80dB max</td>
<td>55dB min</td>
</tr>
<tr>
<td>1.0Ω max</td>
<td>2.2Ω max</td>
<td>0.7Ω max</td>
<td>-80dB max</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

**SUGGESTED PAD LAYOUT**

<table>
<thead>
<tr>
<th>Units:mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.13</td>
</tr>
<tr>
<td>12 SURFACES</td>
</tr>
</tbody>
</table>

Unless otherwise specified all tolerances are: ±0.25 in mm

### SCHEMATICS

[SCHEMATICS Diagram]

[MECHANICAL Diagram]