SMT POWER TRANSFORMER
Matched to Linear Technology Chipset

- DC/DC converter for use with Linear Technology LTC 1535 isolated RS485 transceiver
- Compact and cost-effective industrial design: EP7 format
- 500Vrms isolation

### Electrical Specifications @ 25°C — Operating Temperature -40°C to +125°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Turns Ratio</th>
<th>OCL (@ 25°C) (µH ±30%)</th>
<th>LL (@100kHz/100 mV) (µH MAX)</th>
<th>Isolation Voltage (Vrms)</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1597</td>
<td>1:1.35:1.35</td>
<td>578</td>
<td>0.35</td>
<td>500</td>
<td>SMT</td>
</tr>
<tr>
<td>P1597NL</td>
<td>1:1.35:1.35</td>
<td>578</td>
<td>0.50</td>
<td>2000</td>
<td>SMT</td>
</tr>
</tbody>
</table>

NOTE: Add suffix "T" to part number for Tape & Reel package (i.e. P1597T or P1597NLT).

### Mechanical

**P1597 / P1597NL**

- **Weight**: 1.8 grams
- **Tape & Reel**: 350/reel
- **Tube**: .80/tube
- **Dimensions**: Inches

Unless otherwise specified, all tolerances are ± .004.

### Schematic

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