PoE Synchronous Flyback Transformer

**EPC3408G-LF**

- Designed to work with LTC4269-1 and LT4276
- Storage Temperature: -40°C to +125°C
- Operating Temperature: -40°C to +85°C
- Small Size and Cost Effective
- Max. Duty Cycle: 42%
- Switching Frequency: 250KHz
- Output Power (Po): 25 watts
- Lead Free

**Electrical Parameters @ 25°C**

<table>
<thead>
<tr>
<th>Primary OCL (µH ± 10%)</th>
<th>Input Voltage (Vdc)</th>
<th>Secondary Output</th>
<th>Auxiliary Output</th>
<th>Leakage Inductance (µH Max.)</th>
<th>Turns Ratio</th>
<th>DCR (Ω Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 100 KHZ, 1.0 Vrms</td>
<td>36-57</td>
<td>3.3 (7A)</td>
<td>12 (200 mA)</td>
<td>0.60</td>
<td>1.167-0.25</td>
<td>0.085</td>
</tr>
<tr>
<td>Pins 3-5</td>
<td>Pins 3-5</td>
<td>Pins 10/9-7/6</td>
<td>Pins 1-2</td>
<td>Pins 3-5 with others shorted</td>
<td>1.2-3-8:10:7-9:6</td>
<td>0.0965</td>
</tr>
</tbody>
</table>

- Isolation: 1500 Vrms (Wdg-Wdg, Wdgs to Core)

**Package**

- D.C. Primary OCL: 0.005/0.015 (0.127/0.381)
- Pin 1-2: 0.0065 (0.167)
- Pin 3-5: 0.031 (0.787)
- Pin 6/9: 0.695 (17.65)

**Schematic**

**Notes:**
1. Lead Finish: Hot Dipped Sn or SnCu
2. Peak Solder Rating: 245°C
3. Weight: 6.6 grams
4. Packaging Information: Tape & Reel: 200 pieces/13” reel