PoE Synchronous Flyback Transformer

EPC3586G-LF

- Designed to work with Linear Tech LT4276A and LT4295
- Storage Temperature : -40°C to +125°C
- Operating Temperature : -40°C to +85°C
- Small Size and Cost Effective
- Max. Duty Cycle : 42%
- Lead Free
- Switching Frequency : 250 KHz

**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>Pins 3-5</td>
<td>Pins 10-7 - 9-6</td>
<td>Pins 1-2</td>
<td>@ 100 KHz, 1.0 Vrms</td>
<td>Aux : Pri : Sec.</td>
<td>Pri.</td>
</tr>
<tr>
<td>26</td>
<td>48-57</td>
<td>5 (7 A)</td>
<td>12 (10 mA)</td>
<td>0.600</td>
<td>1 : 1.8 : 0.4</td>
<td>0.090</td>
</tr>
</tbody>
</table>

**Notes:**
1. Lead Finish: Hot Dipped Sn or SnCu
2. Peak Solder Rating: 245°C
3. Weight: 6.4 grms
4. Packaging Information: Tape & Reel: 200 pieces/13” reel

**Package**

![Package Diagram]

**Schematic**

![Schematic Diagram]

- Isolation : 1500 Vrms @ 60 sec. (Wdg-Wdg, Wdgs. to Core)

**Notes:**
1. Lead Finish
2. Peak Solder Rating
3. Weight
4. Packaging Information

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25