12.0W Flyback Isolated Inductor

**EPC3648GE-LF**

- Designed to work with Linear Tech. LT3574, LT3575, LT3748
- Bobbin: UL94V-0 Recognized Materials
- Storage Temperature: -40°C to +125°C
- Operating Temperature: -40°C to +125°C
- Class 130°C Insulation System
- Switching Frequency: 100KHz

### Electrical Parameters @ 25°C

<table>
<thead>
<tr>
<th>Inductance (µH ± 10%)</th>
<th>Leakage Inductance (µH Max.)</th>
<th>DCR (Ω Typ.)</th>
<th>Turns Ratio (± 1%)</th>
<th>Dielectric Rating (VAC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 10 KHz, 100mVAC</td>
<td>@ 100 KHz, 100mVAC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>3.0</td>
<td>0.430</td>
<td>0.265</td>
<td>0.265</td>
</tr>
<tr>
<td>Pins 3-4</td>
<td>Pins 3-4 with all other windings shorted</td>
<td>Pins 1-2</td>
<td>Pins 3-4</td>
<td>Pins 5-6/7/8</td>
</tr>
<tr>
<td>0.265</td>
<td></td>
<td>3:1</td>
<td>1:1</td>
<td>1500</td>
</tr>
<tr>
<td>500</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Package

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### Notes:

1. Lead Finish: Hot Tin Dip Sn or SnCu
2. Peak Solder Rating: 4.4 grams
3. Weight: 4.4 grams
4. Packaging Information: Tape & Reel: 150

Unless Otherwise Specified Dimensions are in Inches / mm ± 0.010 / 0.25