# Flyback Transformer

For Linear Technology LT3573 Isolated Flyback Converter

*Designed for the LT3573 Isolated Flyback Converter

- 1500 Vrms isolation from primary and bias to secondary; 500 Vrms isolation from primary to bias, tested for one minute
- The bias winding provides power to the chipset

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**Core material** Ferrite  
**Terminations** RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.  
**Weight** 3.9 to 4.1 g  
**Ambient temperature** –40°C to +85°C  
**Storage temperature** Component: –40°C to +85°C. Tape and reel packaging: –40°C to +80°C  
**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles  
**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)  
**Packaging** 250 per 13” reel Plastic tape: 32 mm wide, 0.5 mm thick, 20 mm pocket spacing, 11.2 mm pocket depth  
**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

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## Part Number

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance at 0 A²</th>
<th>Inductance at Ipk</th>
<th>DCR max (mOhms)</th>
<th>Leakage inductance</th>
<th>Turns ratio</th>
<th>Input voltage</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>GA3429-BL__</td>
<td>24.0</td>
<td>21.6</td>
<td>95</td>
<td>7.5</td>
<td>123</td>
<td>2.1</td>
<td>20 – 28</td>
</tr>
</tbody>
</table>

1. When ordering, please specify packaging code:  
   **GA3429-BLD**

   **Packaging:**  
   - **D** = 13” machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (325 charge).  
   - **B** = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance is for the primary, measured at 250 kHz, 0.3 Vrms, 0 Adc.  
3. Ipk is peak primary current drawn at minimum input voltage.  
4. DCR for the secondary is per winding.  
5. Leakage inductance measured between pins 3 and 4 with all secondary pins shorted.  
6. Turns ratio is with the secondary windings connected in parallel.  
7. Output is with the secondary windings connected in parallel. Bias winding output: 3.3 V, 20 mA.  
8. Electrical specifications at 25°C.  
   Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

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**Recommended Land Pattern**

Dimensions are in inches

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