DC-DC Flyback Transformer for Telecom

This low profile flyback transformer is designed for applications such as Subscriber Line Interface Circuits (SLICs), cable and DSL modems and set top boxes.

For free evaluation samples, contact Coilcraft or visit www.coilcraft.com.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance at 0 Adc±10% (µH)</th>
<th>Inductance at 6.5 Adc max (µH)</th>
<th>DCR max (Ohms)</th>
<th>Leakage inductance max (µH)</th>
<th>Input</th>
<th>Output</th>
<th>Isolation (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFLY0012L_</td>
<td>6.0</td>
<td>4.8</td>
<td>0.021 (pins 8 - 1)</td>
<td>0.3</td>
<td>9 V – 20 V</td>
<td>–24 V, 170 mA</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.690 (pins 7 - 2)</td>
<td></td>
<td>–72 V, 170 mA</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>0.690 (pins 6 - 3)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>0.690 (pins 5 - 4)</td>
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</tbody>
</table>

1. When ordering, please specify packaging code:

   IFLY0012LD

   Packaging:  
   D = 13" machine ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 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 100 kHz, 1.0 Vrms.
3. Isolation is from primary to secondary, tested for one minute.
4. Operating temperature range –40°C to +85°C.
5. Electrical specifications at 25°C.

Core material  Ferrite
Terminations  RoHS Matte tin over nickel over phos bronze
Weight  5.2 g
Isolation  500 Vrms, one minute primary to secondary
Ambient temperature  –40°C to +85°C
Storage temperature  Component: –40°C to +85°C.
Tape and reel packaging: –40°C to +80°C
Moisture Sensitivity Level (MSL)  1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF)  38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332
Packaging  200/13" reel  Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.6 mm pocket depth
PCB washing  Only pure water or alcohol recommended