Flyback Transformer
For Linear Technology LT3751
Capacitor Charger Controller

- Flyback transformer for the Linear Technology LT3751 Capacitor Charger Controller
- 120 – 377 V input; up to 500 V output
- 3000 Vrms isolation from primary to secondary windings

Core material: Ferrite
Terminations: RoHS tin-silver over tin over nickel over phosph bronze. Other terminations available at additional cost.
Weight: 23.8 g
Ambient temperature: –40°C to +85°C
Storage temperature: Component: –40°C to +85°C.
Tray 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)
Failures in Time (FIT) / Mean Time Between Failures (MTBF): 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Parts manufactured prior to December 2011 may be marked differently.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance at 0 A1 ±10% (µH)</th>
<th>Inductance at Ipks (µH) min</th>
<th>DCR max (Ohms)2</th>
<th>Leakage inductance3</th>
<th>Turns ratio4</th>
<th>Ipks (A)5</th>
<th>Volt-time product5 (V · µsec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA4060-AL</td>
<td>300</td>
<td>270</td>
<td>0.422</td>
<td>1.58</td>
<td>2.7</td>
<td>1:3</td>
<td>2.0</td>
</tr>
</tbody>
</table>

1. Inductance is measured at 100 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. DCR is with the windings connected in parallel.
4. Leakage inductance is for both windings of the primary with the secondary windings shorted.
5. Turns ratios are with the primary and secondary windings connected in parallel.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

Recommended Land Pattern

Primary windings and secondary windings to be connected in parallel on PC board.

Dimensions are in inches / mm.