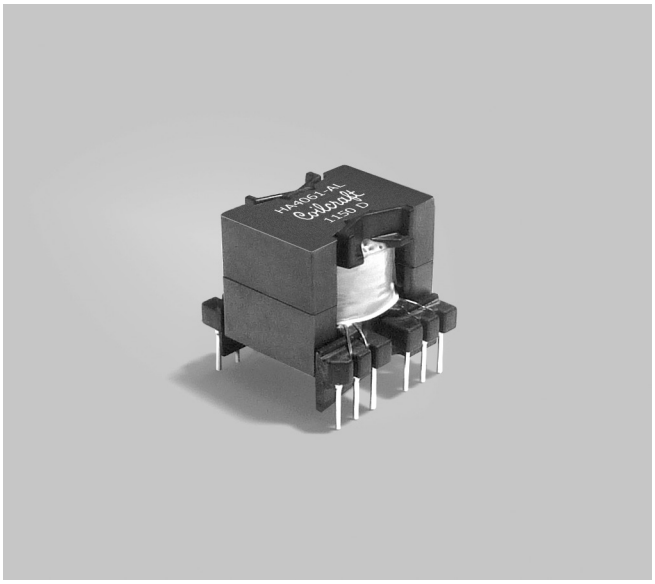
Flyback Transformer

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 (96.5/3.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 37.3 g

Ambient temperature –40°C to +85°C

Maximum part temperature +125°C (ambient + temp rise)

Storage temperature Component: –40°C to +125°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)

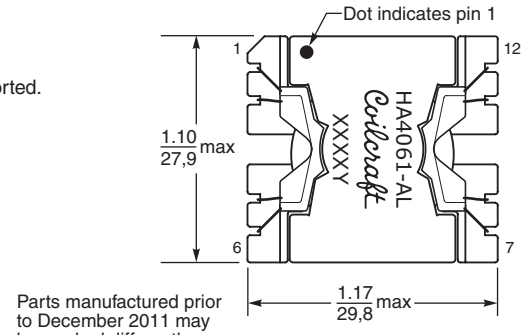
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 64 per tray

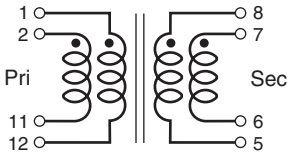
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf.

Part number	Inductance at 0 A[1] ±10% (µH)	Inductance at Ipk[2] min (µH)	DCR max (Ohms)[3] pri	DCR max (Ohms)[3] sec	Leakage inductance[4] max (µH)	Turns ratio[5] pri:sec	Ipk[2] (A)	Volt-time product typ (V µsec)
HA4061-AL	125	112.5	0.203	1.40	9.17	1:3	5.0	625

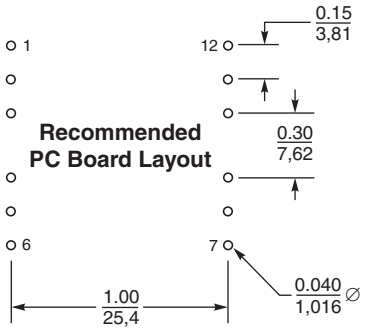
1. Inductance is measured at 100 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. DCR is with the windings connected in parallel.
4. Leakage inductance is for both windings of the primary with the secondary windings shorted.
5. Turns ratios are with the primary and secondary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



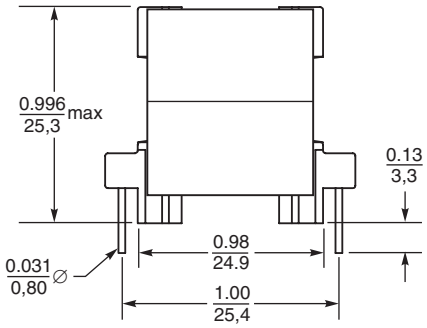
Parts manufactured prior to December 2011 may be marked differently.



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



Dimensions are in inches / mm



Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

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