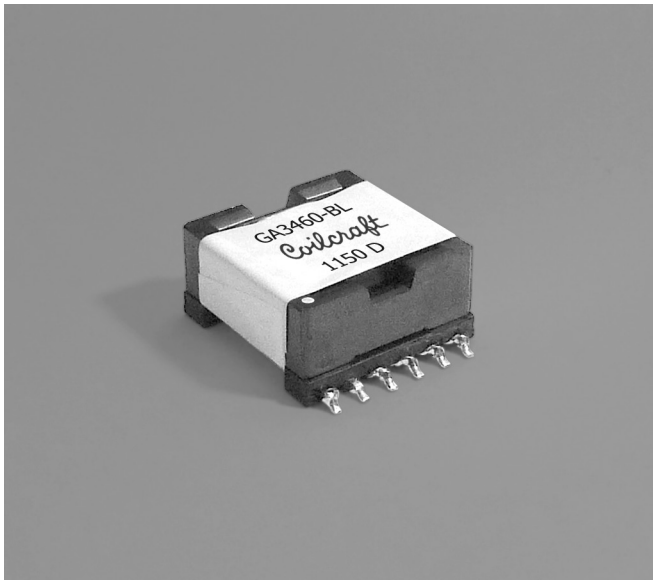
Flyback Transformers

For Linear Technology LT3751 Capacitor Charger Controller



- Flyback transformer for the Linear Technology LT3751 Capacitor Charger Controller
- For charging capacitors to 500 V
- GA3459-BL: 5 – 24 V input; GA3460-BL: 12 – 24 V input
- 1500 Vrms, one minute 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 24.2 – 27.5 g

Ambient temperature –40°C to +125°C

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

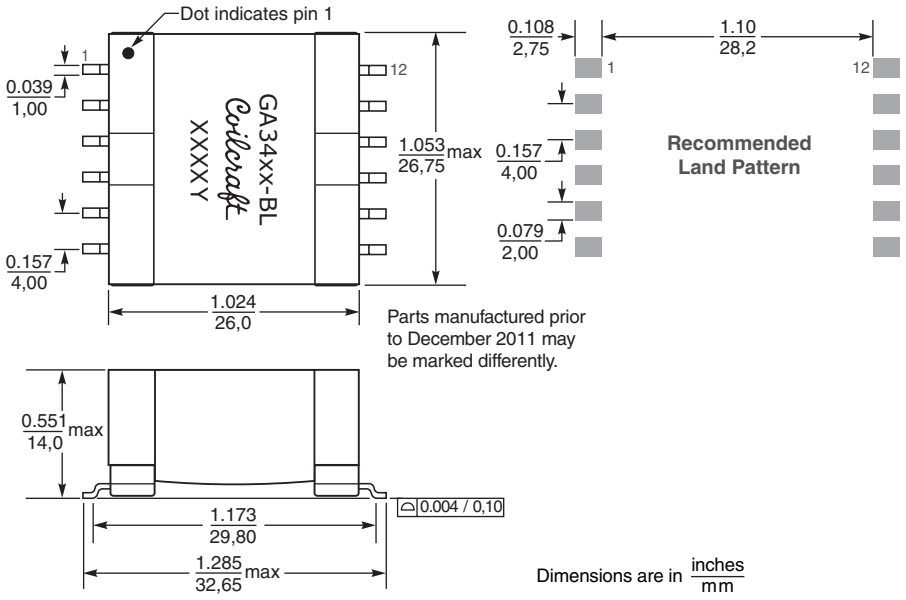
Packaging 24 per tray

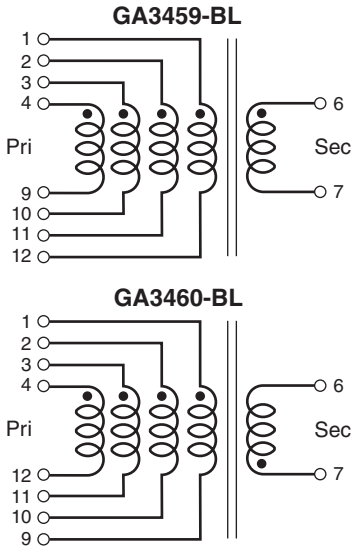
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf.

Part number	Inductance at 0 A[1] ±10% (µH)	Inductance at Ipk[2] min (µH)	DCR max (mOhms)[3] pri	DCR max (mOhms)[3] sec	Leakage inductance[4] max (µH)	Turns ratio[5] pri:sec	Ipk[2] (A)
GA3459-BL	5.0	4.25	7.70	515	0.10	1:10	20
GA3460-BL	2.5	2.25	5.63	400	0.06	1:10	50

1. Inductance is measured at 50 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. DCR for the primary is with the windings connected in parallel.
4. Leakage inductance is for one winding of the primary with the secondary winding shorted.
5. Turns ratios are with the primary windings connected in parallel.
6. Electrical specifications at 25°C.

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





Primary windings to be connected in parallel on PC board.

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