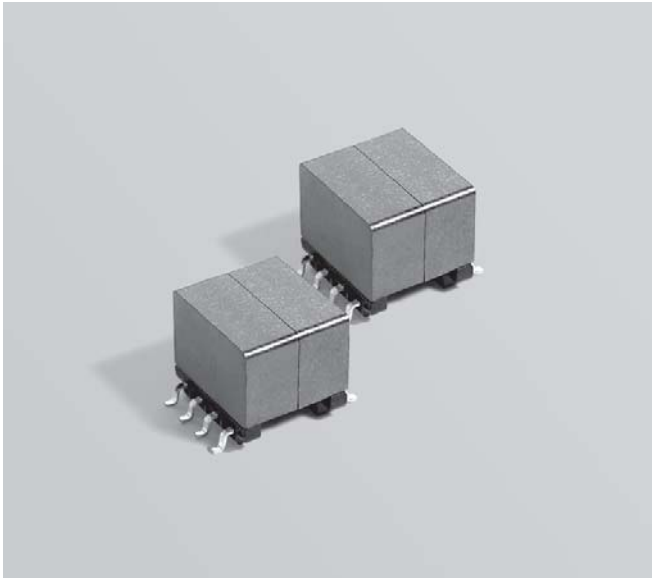
NEW!

Flyback Transformers

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
- The bias winding provides power to the chipset

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. 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 250 per 13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 20 mm pocket spacing, 11.2 mm pocket depth

PCB washing Only pure water or alcohol recommended

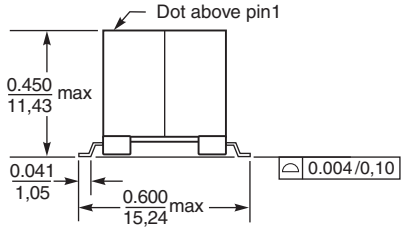
Part number[1]	Inductance at 0 A[2] ±10% (µH)	Inductance at Ipk[3] min (µH)	DCR max (mOhms)[4] pri	sec	bias	Leakage inductance max (µH)[5]	Turns ratio[6] pri : sec : bias	Ipk[3] (A)	Input voltage (V)	Output[7]
GA3429-BL_	24.0	21.6	95	7.5	123	0.566	4 : 1 : 1	2.1	20 – 28	3.3 V, 1.5 A
GA3430-BL_	25.0	22.5	90	15	95	0.685	5 : 1 : 1	2.1	10 – 14	5.0 V, 1.0 A
GA3431-BL_	25.0	22.5	90	5.0	70	0.945	7 : 1 : 1	2.1	10 – 14	3.3 V, 1.5 A

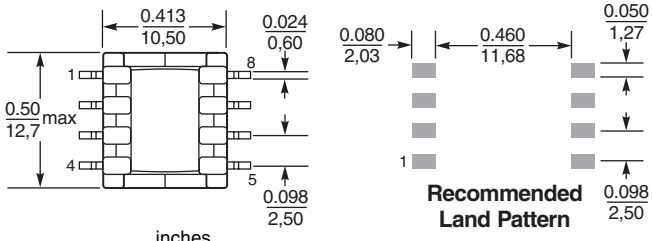
1. When ordering, please specify **packaging** code:

   GA3431-BL D

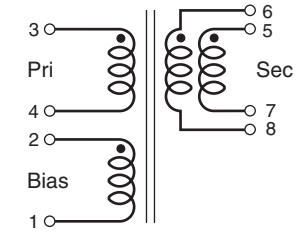
   Packaging: D = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel).
   B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.
2. Inductance is for the primary, measured at 250 kHz, 0.3 Vrms, 0 Adc.
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 (GA3429 and GA3431); 5.0 V, 20 mA (GA3430).
8. Electrical specifications at 25°C.

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





Dimensions are in inches / mm



Secondary windings to be connected in parallel on PC board

Coilcraft®

Specifications subject to change without notice.
Please check our website for latest information.

1102 Silver Lake Road Cary, Illinois 60013 **Phone** 847/639-6400 **Fax** 847/639-1469
E-mail info@coilcraft.com **Web** http://www.coilcraft.com