Flyback Transformer

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, tested for one minute
- The bias winding provides power to the chipset

Core material Ferrite
Terminations RoHS tin-silver over tin over nickel over phosphor 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. Tape and reel 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 Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

| Part number | Inductance at 0 A² ±10% (µH) | Inductance at Ipk³ min (µH) | DCR max (mOhms)² pri sec bias | Leakage inductance max (µH)⁵ pri : sec : bias | Turns ratio⁶ pri : sec : bias | Ipk¹ (A) | Input voltage (V) | Output¹ | Dimensions are in inches mm |
|-------------|-------------------------------|-----------------------------|--------------------------------|---------------------------------------------|-----------------------------|---------|-------------------|---------|
| 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 |

1. When ordering, please specify packaging code:
   - **GA3429-BLD**

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.
8. Electrical specifications at 25°C.
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

Secondary windings to be connected in parallel on PC board

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