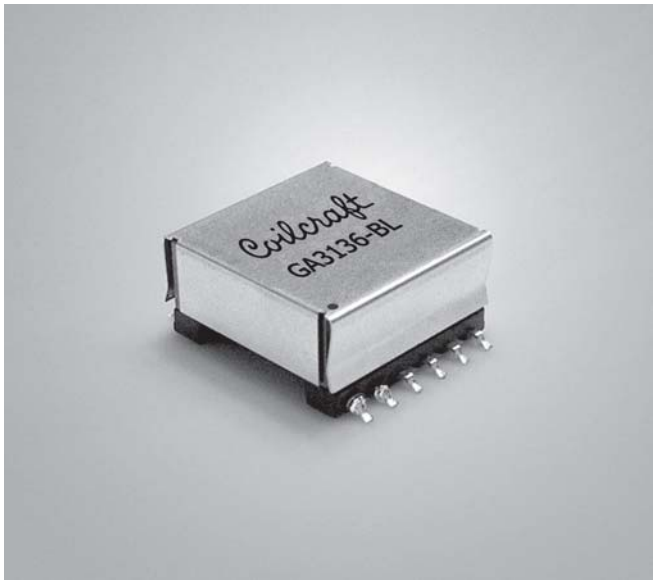
NEW!

Flyback Transformer

For Texas Instruments UCC2809 Primary Side Controller



- Flyback transformer for 50 Watt dc-to-dc fixed frequency current mode switching power supplies
- Designed to operate with 22 – 26 V input at 150 kHz
- 1500 Vrms isolation from primary to secondary windings

Core material Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 27.1 g

Ambient temperature –40°C to +125°C

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

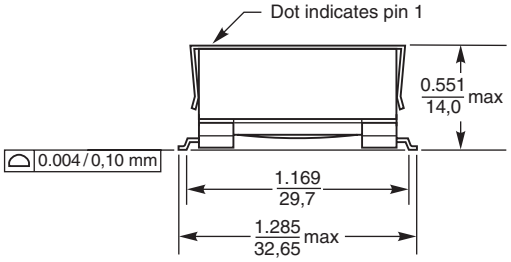
Packaging 24 per tray

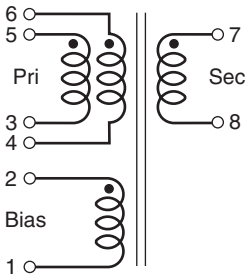
PCB washing Only pure water or alcohol recommended

Part number	Power (W)	Inductance at 0 A[1] ±10% (µH)	Inductance at Ipk[2] min (µH)	DCR max (Ohms)[3] pri	sec	bias	Leakage inductance[4] max (µH)	Turns ratios[5] pri : sec	pri : bias	Ipk[2] (A)	Output[6]
GA3136-BL	53	35.0	31.5	0.029	0.074	0.208	0.230	1 : 1.40	1 : 0.33	5.9	53 V, 1.0 A

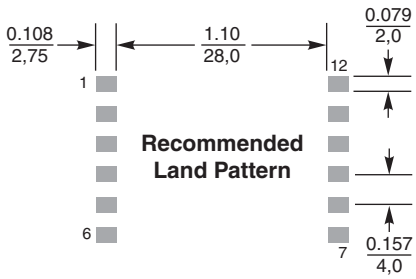
1. Inductance is measured at 150 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. DCR for the primary is with the windings connected in parallel.
4. Leakage inductance is for the primary windings connected in parallel and with the secondary winding shorted.
5. Turns ratios are with the primary windings connected in parallel.
6. Output is for the secondary winding. Output of the bias winding output is 12 V, 20 mA.
7. Electrical specifications at 25°C.

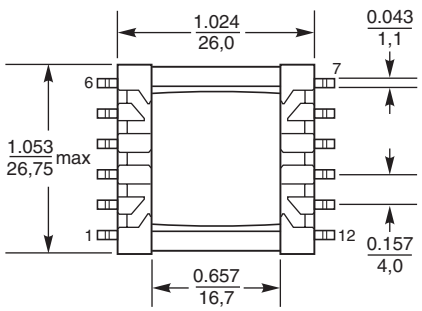
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.





Primary windings to be connected in parallel on PC board.





Dimensions are in inches / mm

Coilcraft®

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

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