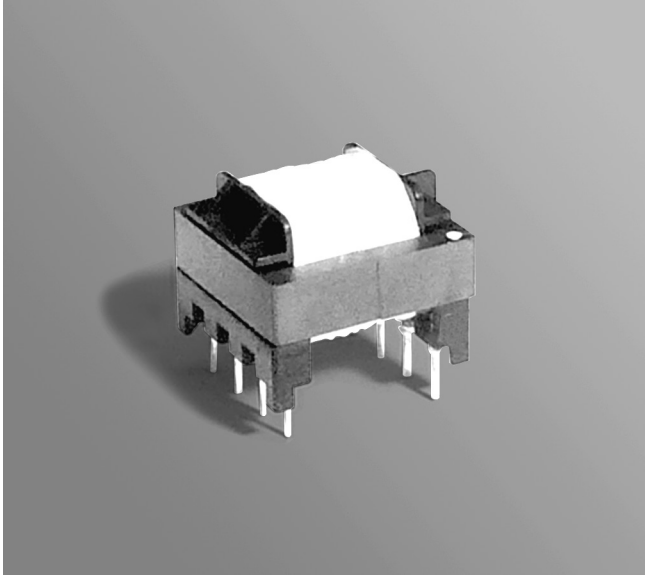




Flyback Transformer

For Texas Instruments UCD3K
Digital Power Controller



- Specified by Texas Instruments for use in the Bias Power Supply for their UCD3K Digital Power Controller
- Universal input; 5 Watt output
- 3000 Vrms, one minute isolation Pri and P1 to S1 and Sense; 500 Vrms, one minute isolation windings to core
- Designed to meet UL/CSA/IEC 60950 Reinforced Insulation Class; 3.0 mm creepage and clearance.

Core material Ferrite

Terminations RoHS compliant tin-silver over tin over copper. Other terminations available at additional cost.

Weight 13.4 g

Ambient temperature -40°C to +85°C

Storage temperature Component: -40°C to +85°C.

Tray packaging: -40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)

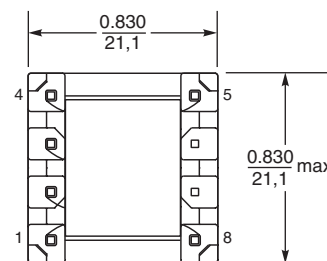
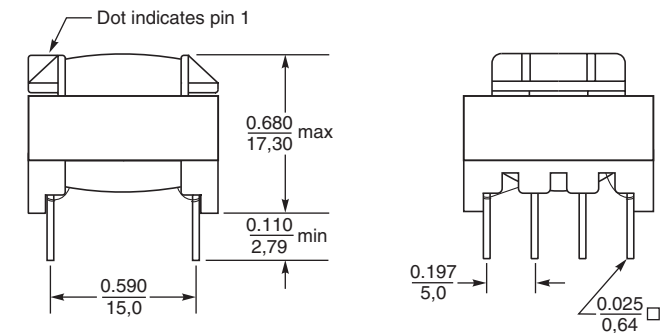
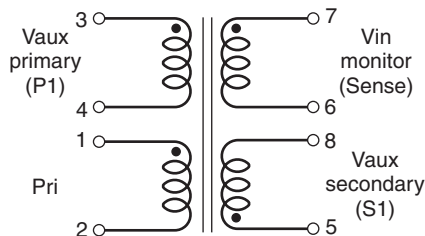
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 100 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% (mH)	Inductance at I _{pk} ² (mH)	DCR max (Ohms)	Leakage inductance max (μH) ³	Turns ratio Pri : S1 : P1 : Sense	I _{pk} ² (A)	Output
GA3544-BL	2.3	1.61	0.860 (Pri) 0.131 (P1) 0.109 (S1) 0.155 (Sense)	17.6	1 : 0.158 : 0.158 : 0.079	0.3	12 V, 0.2 A (S1) 12 V, 0.2 A (P1)

- Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc using an Agilent/ HP 4263B impedance analyzer or equivalent.
- Peak primary current drawn at minimum input voltage.
- Leakage inductance is for the primary and is measured with the secondary shorted.
- Electrical specifications at 25°C.



Dimensions are in inches
mm

**Recommended
PC Board Layout**



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