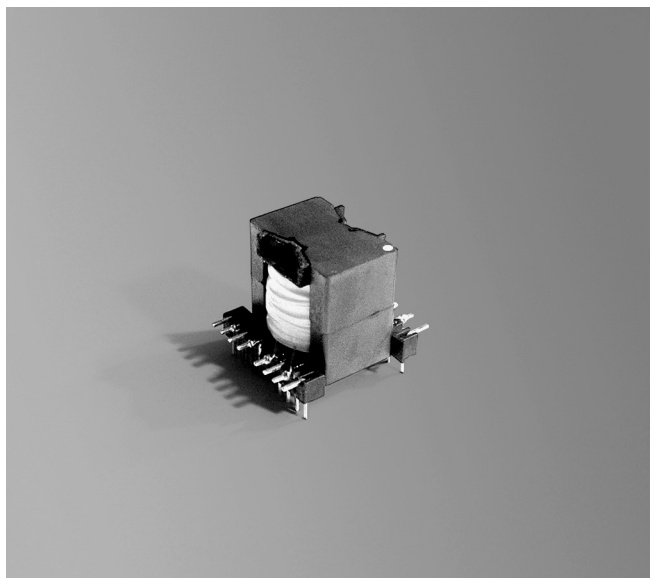




Flyback Transformer GA0007-AL



- Optimized for ON Semiconductor's NCP1351 Variable Off Time PWM Controller and Microchip's HV96001 LED Controller
- 32 V, 1.0 A and 16 V, 0.75 A Outputs. Output of the auxiliary winding is 16 V.
- Operates in discontinuous mode with a universal input
- 3000 Vrms, one minute isolation Pri and Aux to Sec1 and Sec2.
- 500 Vrms, one minute isolation Pri to Aux and between Sec1 and Sec2

Core material Ferrite

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

Weight 23.5 g

Ambient temperature -40°C to +85°C

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

Packaging 64 parts per tray

PCB washing Only pure water or alcohol recommended

Part number	L at 0 A ¹ ±10% (μH)	L at I _{pk} ² min (μH)	DCR max (Ohms)				Leakage L ³ max (μH)	Turns ratio pri : sec1 : sec2 : aux	I _{pk} ² (A)
			pri	sec1	sec2	aux			
GA0007-AL	270	243	0.25	0.027	0.045	0.26	8.16	5 : 1 : 1 : 1	3.0

1. Inductance is for the primary, measured at 45 kHz, 0.8 Vrms, 0 Adc.

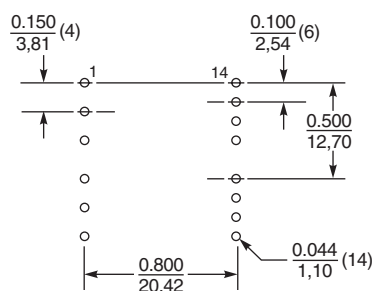
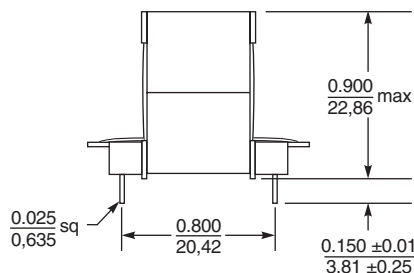
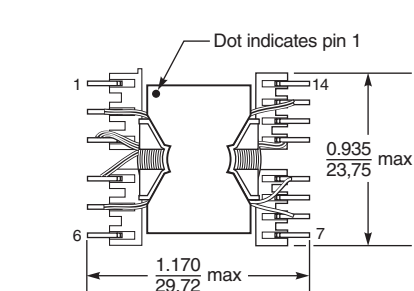
2. I_{pk} is the peak current drawn at minimum input voltage.

3. Leakage inductance measured on the primary winding with all secondary pins shorted.

4. Ambient operating temperature range -40°C to +85°C.

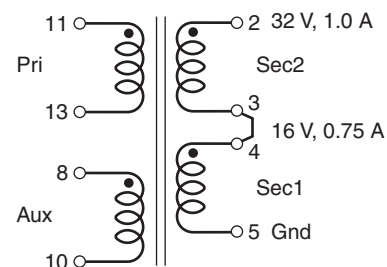
5. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Recommended Board Layout

Dimensions are in $\frac{\text{inches}}{\text{mm}}$



Secondary windings to be connected in series on the PC board.

Mouser Electronics

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