



NEW!

Flyback Transformer

For ON Semiconductor
NCP1351 Controller



- Dual-output flyback transformer for ON Semiconductor's NCP1351 Variable Off Time PWM Controller.
- 32 V, 1.0 A and 16 V, 0.75 A Outputs. Output of the auxiliary winding is 16 V.
- Operates in a discontinuous mode with a universal input
- 3000 Vrms primary to secondary isolation.

Core material Ferrite

Terminations RoHS tin-silver over tin 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.
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)

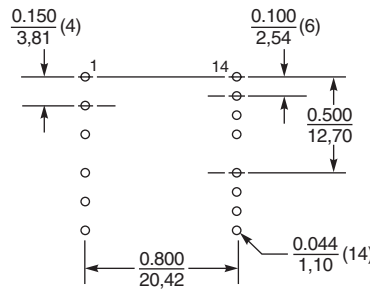
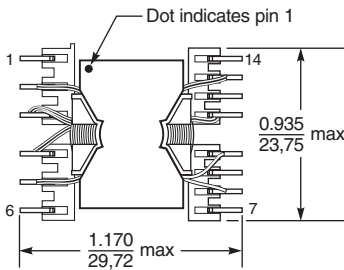
Failures in Time (FIT) / Mean Time Between Failures (MTBF)
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 64 parts per tray

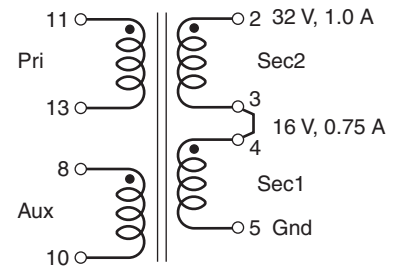
PCB washing Only pure water or alcohol recommended

| Part number | L at 0 A ¹ ±10% (µH) | L at Ipk ² min (µH) | DCR max (Ohms) | | | | Leakage L ³ max (µH) | Turns ratio pri : sec1 : sec2 : aux | Ipk 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 |

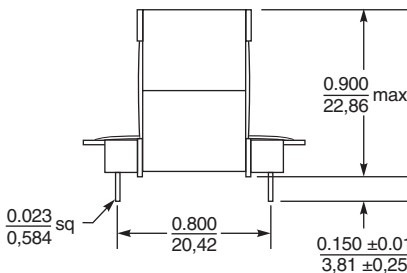
1. Inductance is for the primary, measured at 45 kHz, 0.8 Vrms, 0 Adc.
 2. Ipk is the peak current drawn at minimum input voltage.
 3. Leakage inductance measured on the primary winding with all secondary pins shorted.
 4. Ambient operating temperature range -40°C to +85°C.
 5. Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Recommended Board Layout



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



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

Document 605 Revised 04/26/07

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