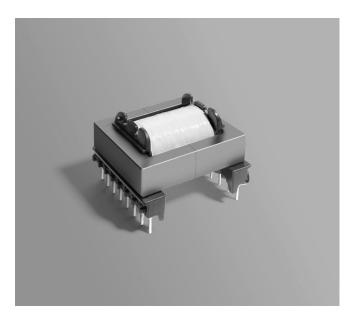


Flyback Transformer For ON Semiconductor NCP1606 PFC Controller



- · Designed for 90 Watt applications
- · Operates in discontinuous conduction mode with an input of 85 - 265 Vac, 1.28 Arms maximum
- 3000 Vrms isolation from primary and auxiliary to secondary

Core material Ferrite

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

Ambient temperature -40°C to +125°C

Storage temperature Component: -40°C to +125°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 30 parts per tray

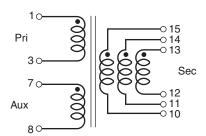
Dot indicates pin 1

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

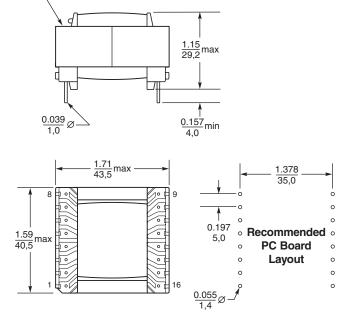
Part	Inductance at 0 A ¹	Inductance at Ipk ²	DCR max (Ohms) ³			Leakage inductance	Turns ratio ⁴		Ipk ²	
number	±10% (µH)	(μH)	pri	aux	sec	max (µH)	pri : aux	pri : sec	(A)	Output ⁵
GA3366-BL	300	270	0.210	0.073	0.0053	7.45	1:0.118	1:0.147	3.1	19.5 V, 4.62 A

- 1. Inductance measured at 100 kHz, 1.1 Vrms, 0 Adc using an Agilent/ HP 4263B impedance analyzer or equivalent.
- 2. Peak primary current drawn at minimum input voltage.
- 3. DCR for the secondary is with the windings connected in parallel.
- 4. Turns ratio is with the secondary windings connected in parallel.
- 5. Output of the auxiliary winding is 16 V, 20 mA.
- 6. Electrical specifications at 25°C.

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



Secondary windings to be connected in parallel on the PC board



Dimensions are in



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Specification subject to change without notice.

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