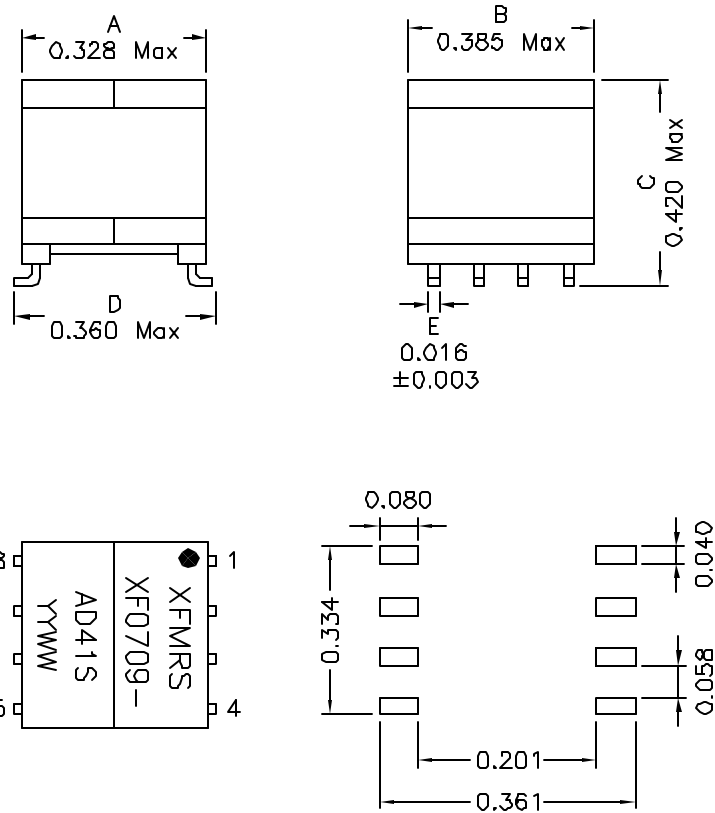


## 1. Mechanical Dimensions:



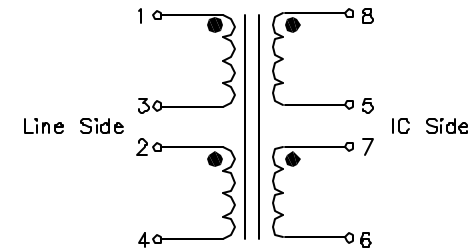
SUGGESTED PCB LAYOUT

### Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C, UL file E151558
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity:  $\pm 0.004'' (0.102\text{mm})$
9. Moisture Sensitivity: Level 3
10. Electrical and mechanical specifications 100% tested
11. RoHS Compliant Component
12. UL60950 recognized for Supplementary Insulation requirements for a working voltage up to 250Vrms, file #E165866.

DOC REV: A/3

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: Pins 1-4 430uH $\pm 7\%$  @10KHz 0.1V, Tie Pins 2&3

LL: Pins 1-4 6uH Max @100KHz 0.1V, Tie Pins 2&3, 5-8

DCR: Pins 1-3 0.51 Ohms $\pm 10\%$

DCR: Pins 2-4 0.51 Ohms $\pm 10\%$

DCR: Pins 8-5 0.59 Ohms $\pm 10\%$

DCR: Pins 7-6 0.475 Ohms $\pm 10\%$

Turns Ratio: Pins (1-4):(8-6)=2:1 $\pm 1\%$ , Tie Pins 2&3, 5&7

THD: -72dB Max @30KHz, 3.16Vrms, 25 Ohms load, 100 Ohms input,  
Tie Pins 2&3, 5&7

Longitudinal Balance: 40dB Min @30KHz-10000KHz

HIPOT: Pins 1-8 1500Vac, 1 minute

HIPOT: Pins 1-8 1875Vac, 1 second

**PROPRIETARY** Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

<b>XFMRS Inc</b> www.XFMRS.com		Title: ADSL TRANSFORMER	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm 0.010$ Dimensions in Inch	P/N: XF0709-AD41S		REV. A
	DWN.	Juan Mao	Jun-29-07
	CHK.	YK Liao	Jun-29-07
SHEET 1 OF 1	APP.	BW	Jun-29-07