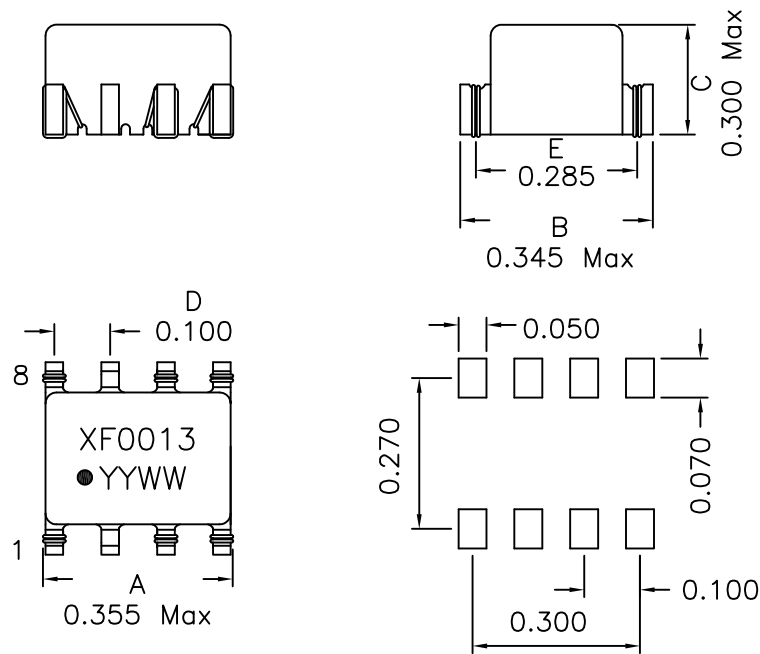


## 1. Mechanical Dimensions:

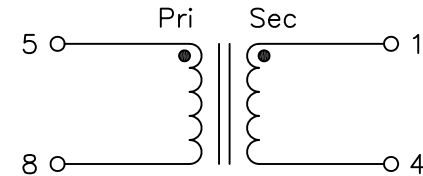


SUGGESTED PAD LAYOUT

### 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 E151556
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: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 235C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: Pins 5-8 1.0mH Min @100KHz, 0.1V

Q: Pins 5-8 5 Min @10KHz, 50mV

LL: Pins 5-8 500nH Max @100KHz, 0.1V (Short P1-4)

CW/w: Pins 5-1 35pF Max @100KHz, 0.1V

DCR: Pins 5-8 550 mOhms Max

Pins 1-4 550 mOhms Max

Turn Ratio: (5-8):(1-4)= 1:1±2%

ET Const: 27.2V/uS

HIPOT: 2250VDC, PRI TO SEC, 1Second 1mA

DOC. REV: A/1

|   |   |                  |           |
|---|---|------------------|-----------|
| <b>XFMRs Inc.</b><br><a href="http://www.XFMRS.com">www.XFMRS.com</a> | Title: Gate Drive Transformer   |                  |           |
|   | UNLESS OTHERWISE SPECIFIED TOLERANCES:<br>.xxx ±0.010<br>Dimensions in INCH | P/N: XF0013-GD12 | REV. A    |
| SHEET 1 OF 1  | DWN.  | Yuan             | Mar-13-13 |
|   | CHK.  | YK Lioa          | Mar-13-13 |
|   | APP.  | BW               | Mar-13-13 |