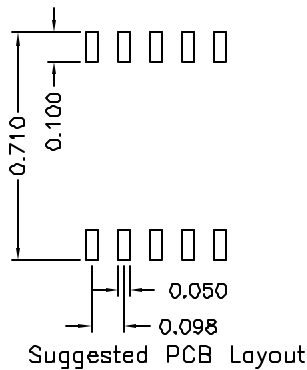
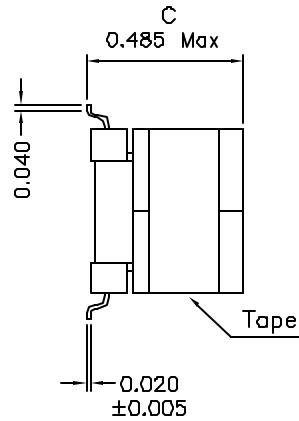
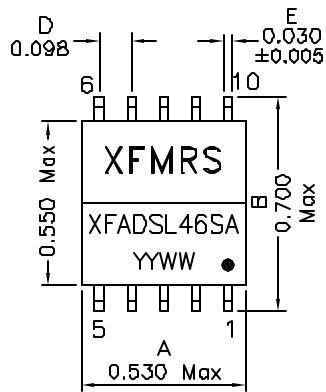


1. Mechanical Dimensions:

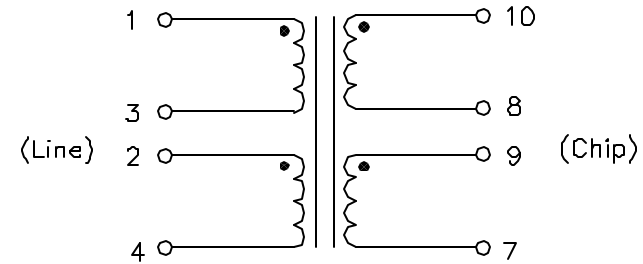


Notes:

- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
- Flammability: UL94V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E151556
- Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
- Storage Temperature Range: -55°C to +125°C
- Aqueous wash compatible
- SMD Lead Coplanarity: $\pm 0.004^*(0.102\text{mm})$
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- UL60950 recognized for Supplementary Insulation requirements for a primary side working voltage up to 250Vrms. Reinforced insulation for a secondary side working voltage of 150Vdc, file #E165865.

DOC. REV: A/3

2. Schematic:



3. Electrical Specifications:

OCL: Pins 1-4 1.5mH $\pm 10\%$ @10KHz 0.1V (tie 3-2)

Q: Pins 1-4 15 Min @10KHz 0.1V

Leakage L: Pins 1-4 14uH Max @100KHz 0.1V
(Short Chip, Tie Pins 3-2)

Cw/w: Pins 1-10 55pF Max @100KHz 0.1V (tie 3-2 & 8-9)

Turns Ratio: (1-4):(10-7) 2.0CS:1.0CS $\pm 2\%$ (tie 2-3 & 8-9)

DCR: Pins 1-4 2.0 Ohms Max (tie 3-2)

Pins 10-7 0.550 Ohms Max (tie 8-9)

Longitudinal Balance: 60dB Min @30KHz-1.1MHz

Longitudinal Balance: 70dB Min @250KHz

THD: -85dB Min @30KHz, 4.5Vp-p

(25 Ohm Load 100 Ohms Input, Tie Pins 2-3, 8-9)

Hipot: 1875Vrms, Chip to Line, Wdgs to Core

Impedance: Designed to reflect 100 Ohms on the Pri with 25 Ohm load on Sec

| | | | |
|---|-----------------|----------------------------|-----------|
| XFMRs Inc www.XFMRs.com | | Title: ADSL TRANSFORMER | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ± 0.010 Dimensions in INCH | P/N: XFADSL46SA | | REV. A |
| | DWN. | Feng | Nov-12-10 |
| SHEET 1 OF 1 | CHK. | YK Liao | Nov-12-10 |
| | APP. | Joe Huff | Nov-12-10 |