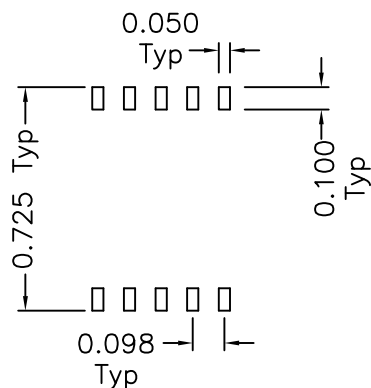
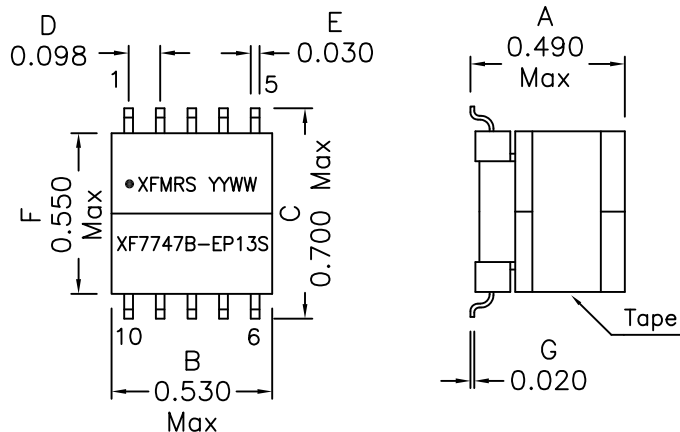


## 1. Mechanical Dimensions:

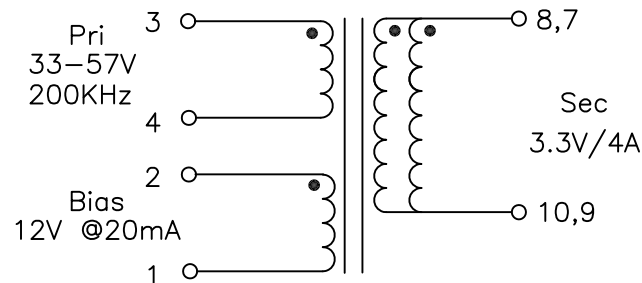


Suggested PCB Layout

### 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 E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +130°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity:  $\pm 0.004"$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 250C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: Pins 3-4 77.4uH $\pm$ 10% @200KHz, 0.1V

Q: Pins 3-4 50 Min @200KHz, 0.1V

LL: Pins 3-4 3.0uH Max @200KHz, 0.1V (Short Sec)

Cw/w: Pins 3-8 120pF Max @100KHz, 0.1V

(Short Pri & Bias; Sec)

DCR: Pins 3-4 100 mOhms Max

Pins 8,7-10,9 6.5 mOhms Max

Pins 2-1 270 mOhms Max

Turns Ratio: (3-4):(2-1):(8,7-10,9)=1.000:0.682:0.182 $\pm$ 2%

Hipot: 1500Vrms Pri & Bias to Sec

**XFMRs Inc**

www.XFMRS.com

Title:

Transformer

UNLESS OTHERWISE SPECIFIED

TOLERANCES:

.xxx  $\pm$ 0.010

Dimensions in Inch

SHEET 1 OF 1

P/N: XF7747B-EP13S

REV. A

DWN.

Yuan

Jan-02-14

CHK.

YK Liao

Jan-02-14

APP.

BSJ

Jan-02-14

DOC. REV: A/1

**PROPRIETARY**

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