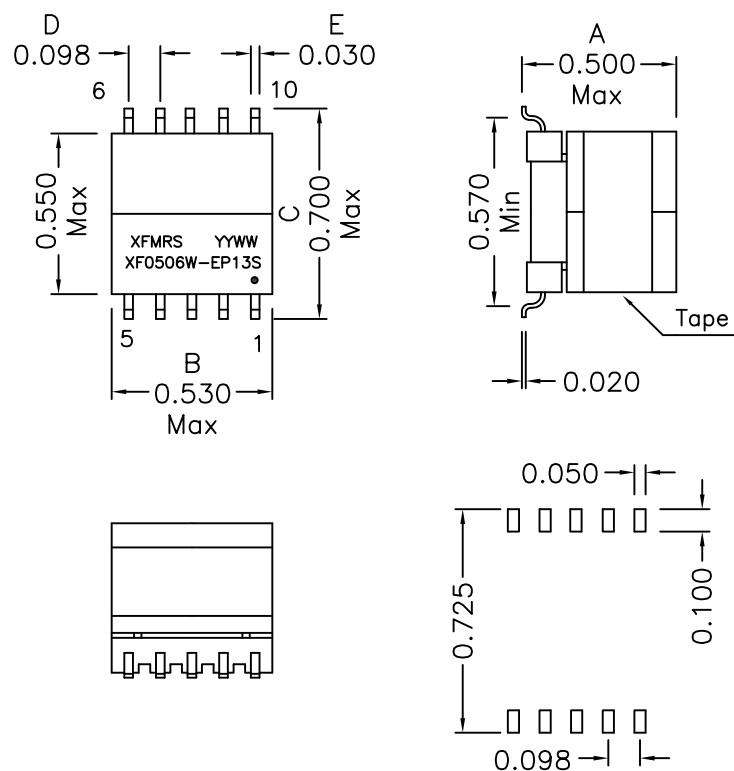
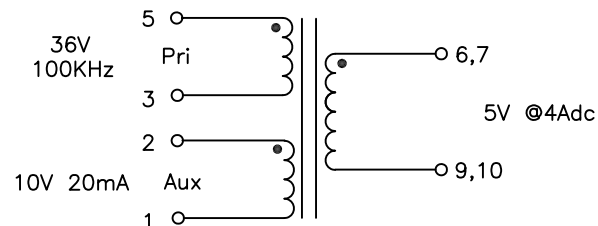


## 1. Mechanical Dimensions:



Suggested PCB Layout

## 2. Schematic:



## 3. Electrical Specifications: @25°C

- OCL: Pins 5-3 50uH±10% @10KHz, 0.1V  
 LL: Pins 5-3 1.25uH Max @100KHz, 0.1V (Short All Else)  
 Q: Pins 5-3 50 Min @100KHz, 0.1V  
 DCR: Pins 5-3 115mOhms±20%  
       Pins 6,7-9,10 14.4mOhms Max  
       Pins 2-1 270mOhms±15%  
 Turn Ratio: (5-3):(2-1):(6,7-9,10)=1.000:0.500:0.250±2%  
 Hipot: 2500Vrms Pri and Aux to Sec for 1 Min (Proof Test)  
       2500Vrms Pri and Aux to Sec for 1 Sec (Prod Test)  
 SRF: Pins 5-3 4.0MHz Min

### 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: -40°C to +125°C
6. Storage Temperature Range: -55°C to +150°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: 0.004"(0.102mm) Max
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Pins 6&7 and 9&10 are allowed to solder bridge.
12. Recommended IR Reflow peak temp of 250°C Max.

DOC. REV: A/2

<b>XFMRs Inc</b> www.XFMRs.com	Title: PoE Transformer		
	UNLESS OTHERWISE SPECIFIED	P/N: XF0506W-EP13S	REV. A
TOLERANCES: .xxx ±0.010	DWN.	Huo	Jan-29-18
Dimensions in INCH	CHK.	YK Liao	Jan-29-18
SHEET 1 OF 1	APP.	Joe Huff	Jan-29-18

**PROPRIETARY**

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