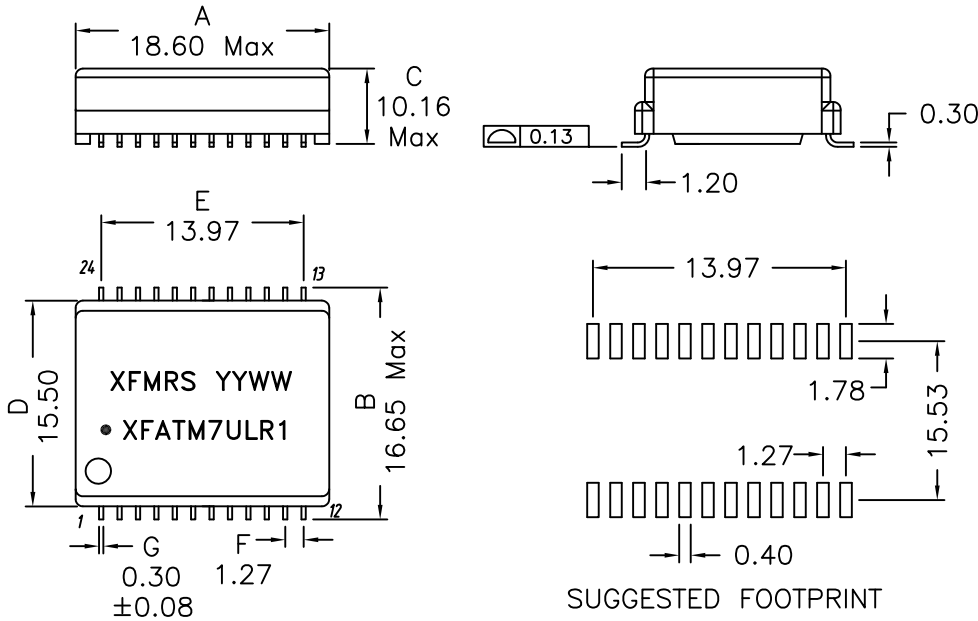


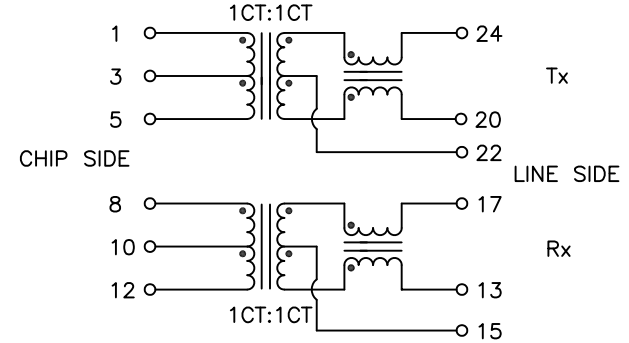
## 1. Mechanical Dimensions:



### 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: ±0.004"(0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- Designed to meet UL60950 for Reinforced Insulation.
- Designed to meet IEEE802.3af

## 2. Schematic:



## 3. Electrical Specifications: @25°C

UTP Impedance: 100 OHMS

Turns Ratio: TX: 1CT:1CT (±2%) RX: 1CT:1CT (±2%)

Isolation Voltage: 6000 Vrms (CHIP to LINE)

UTP Side OCL: 350uH Minimum @100KHz, 100mV 30mADC

UTP Side Q: 18 Minimum @100KHz, 100mV

Rise Time (10-90%): 2.0ns Typical

Insertion Loss (0.5M-80MHz): 1.1dB Maximum

Return Loss(5-30MHz): -15dB Typical

(30-60MHz): -10~20log(f/30)dB

(60-80MHz): -10dB Typical

CMRR (1-100MHz): -40dB Typical

Crosstalk Attenuation(1-100MHz): -30dB Minimum

Sec CTs Rated current: 350mA

<b>XFMRS Inc.</b> <a href="http://www.XFMRS.com">www.XFMRS.com</a>	Title: SMD TRANSFORMER FOR 10/100Mb LAN		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.25 Dimensions in mm.	P/N: XFATM7ULR1	REV. A
SHEET 1 OF 1	DWN.	Yuan	Feb-12-14
	CHK.	YK Liao	Feb-12-14
	APP.	Joe Huff	Feb-12-14

DOC. REV: A/2