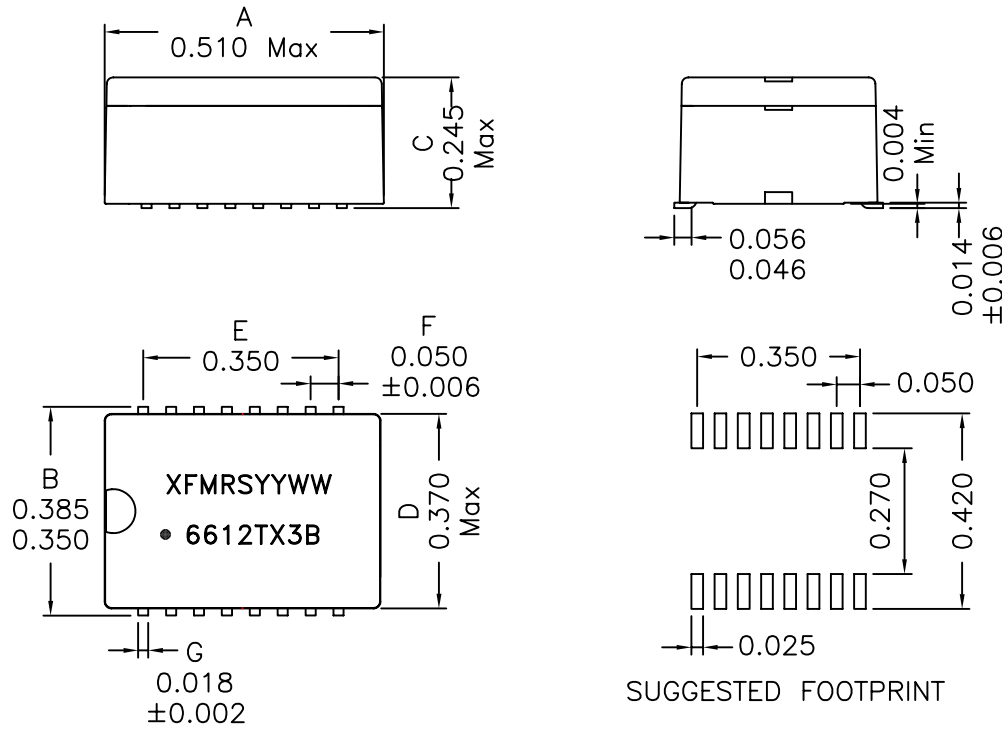
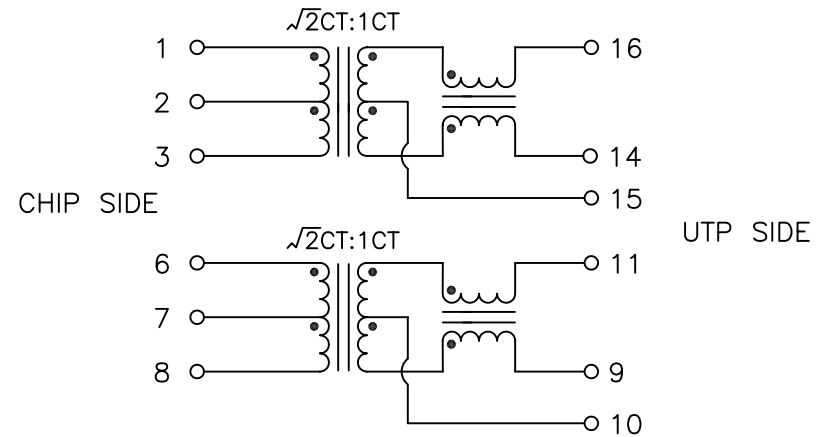


## 1. Mechanical Dimensions:



## 2. Schematic:



## 3. Electrical Specifications: @25°C

Turns Ratio: TX 1.41CT:1CT (±2%) RX 1.41CT:1CT (±2%)

Isolation Voltage: 1500 Vrms (Input to Output)

UTP Side OCL: 350uH Min @100KHz, 100mV 8mADC

UTP Side Q: 8 Min @100KHz, 100mV

Insertion Loss (0.3–100MHz): 1.0dB Maximum

| Return Loss (dB Typ): | 30MHz | 60MHz | 80MHz |
|-----------------------|-------|-------|-------|
|                       | -16   | -12   | -10   |

| Crosstalk (dB Min): | 32MHz | 62MHz | 100MHz |
|---------------------|-------|-------|--------|
|                     | -40   | -35   | -35    |

### 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

DOC. REV: B/1

**PROPRIETARY**

Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

|                                                                                |  |                                   |                    |
|--------------------------------------------------------------------------------|--|-----------------------------------|--------------------|
| XFMRS Inc.<br>www.XFMRS.com                                                    |  | Title:<br>10/100BASE-TX MAGNETICS |                    |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xxx ±0.010<br>Dimensions in Inch |  | P/N: XF6612TX3B REV. B            |                    |
|                                                                                |  | DWN.                              | Mei Chen Aug-31-11 |
|                                                                                |  | CHK.                              | YK Liao Aug-31-11  |
| SHEET 1 OF 1                                                                   |  | APP.                              | BW Aug-31-11       |