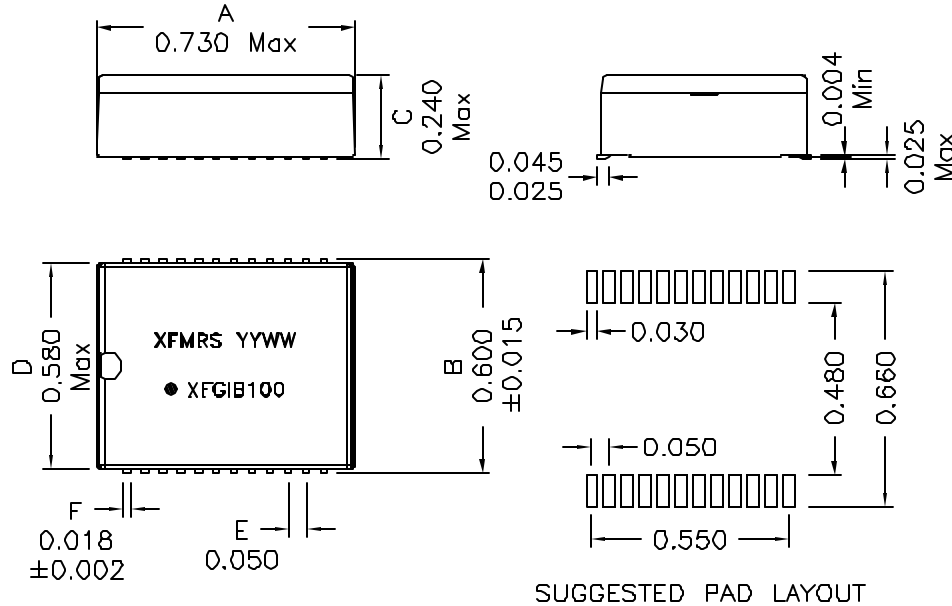
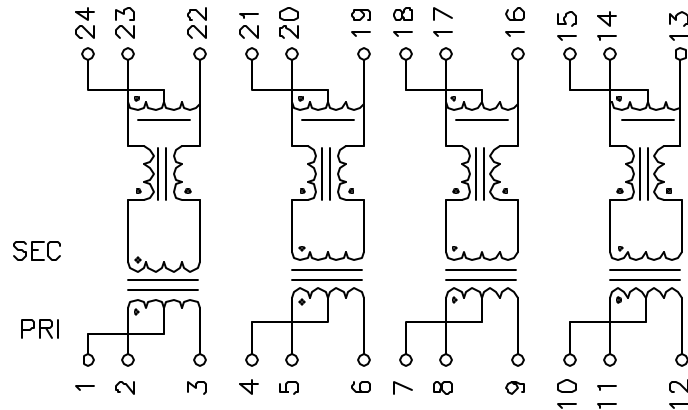


### 1. Mechanical Dimensions:



### 2. Schematic:



DOC. REV: C/1

### 3. Electrical Specifications: @25°C

- ISOLATION: 1500 Vrms
- URNS RATIO: (PRI/SEC) 1CT:1CT ±2%
- OCL: 350uH MIN @100KHz 100mV 8mADC
- Pri DCR: 0.56 Ohms Max
- Sec DCR: 0.42 Ohms Max
- Rise Time: 1.75ns Max.
- INSERTION LOSS: -1.0dB MAX @1MHz-100MHz
- RETURN LOSS: -18dB Min @1-30MHz
  - 15dB Min @40MHz -13.1dB Min @50MHz
  - 12dB Min @60-80MHz -10dB Min @100MHz
- Differential to Common Mode Rejection:
  - 43dB Min @30MHz -37dB Min @80MHz
  - 33dB Min @100MHz
- CMRR: -30dB Min @1-100MHz
- Crosstalk: -45dB Min @30MHz
  - 40dB Min @60MHz -35dB Min @100MHz
- Q: 5 Min @10KHz 50mV

#### 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 E151555
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004" (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

<b>XFMRS Inc</b> www.XFMRS.com		Title: 1000BASE-T Modules	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in INCH		P/N: XFGIB100	REV. C
		DWN. Feng	Aug-18-11
SHEET 1 OF 1		CHK. YK Liao	Aug-18-11
		APP. Joe Huff	Aug-18-11