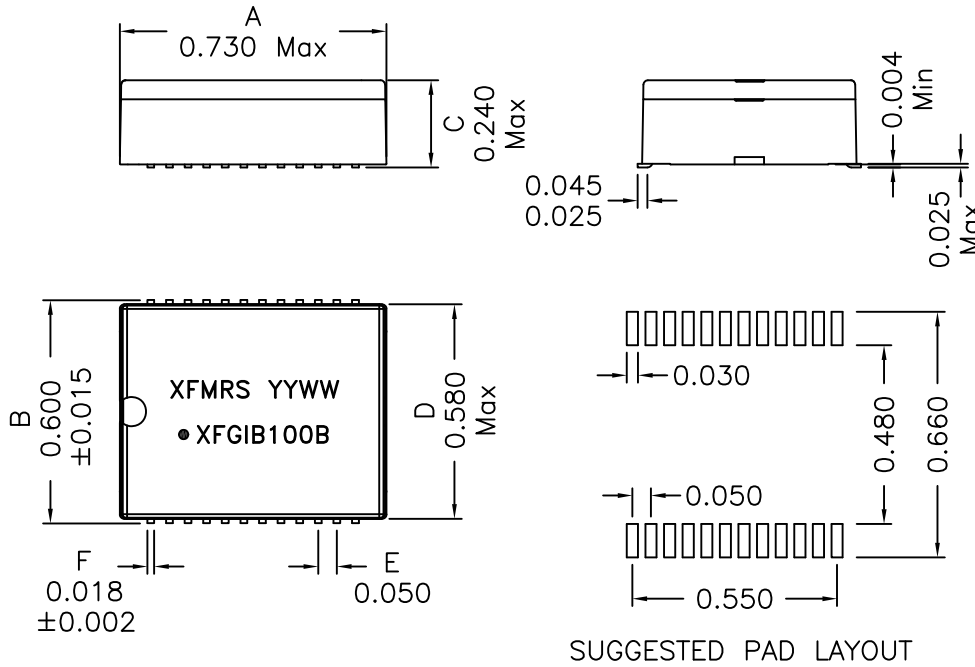
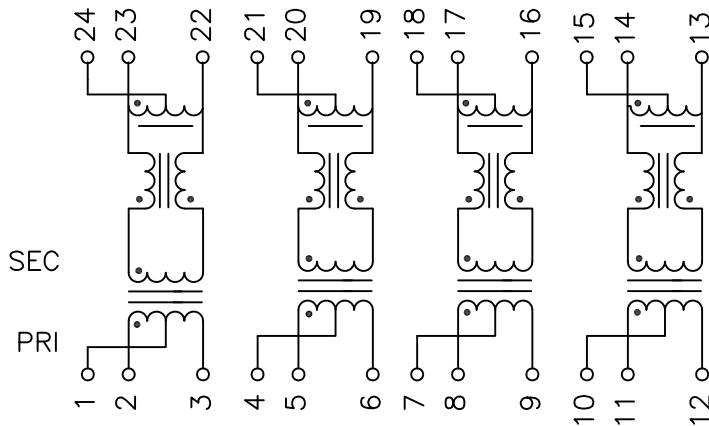


### 1. Mechanical Dimensions:



### 2. Schematic:



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

- ISOLATION: 1500 Vrms
- URNS RATIO: (PRI/SEC) 1CT:1CT ±2%
- SEC OCL: 350uH MIN @100KHz 100mV 8mADC
- Q: 5 Min @10KHz 50mV
- Rise Time: 1.75ns Max.
- INSERTION LOSS: -1.0dB MAX @1MHz-80MHz  
 -1.1dB MAX @80-100MHz  
 -1.5dB MAX @100-125MHz
- RETURN LOSS: 18dB Min @1-10MHz  
 15dB Min @30MHz  
 12dB Min @80MHz  
 10dB Min @100MHz
- Common to Common Rejection:  
 -60dB Min @1MHz  
 -40dB Min @30MHz  
 -35dB Min @80MHz  
 -30dB Min @100MHz
- CMRR: -30dB Min @1-60MHz
- Crosstalk: -40dB Min @1-30MHz  
 -30dB Min @100MHz

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 +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

DOC. REV: C/1

<b>XFMRS Inc</b> www.XFMRS.com	Title: 1000BASE-T Modules		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010		P/N: XFGIB100B
Dimensions in INCH	DWN.	Feng	Jul-06-12
SHT 1 OF 1	CHK.	YK Liao	Jul-06-12
	APP.	BSJ	Jul-06-12

**PROPRIETARY**

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