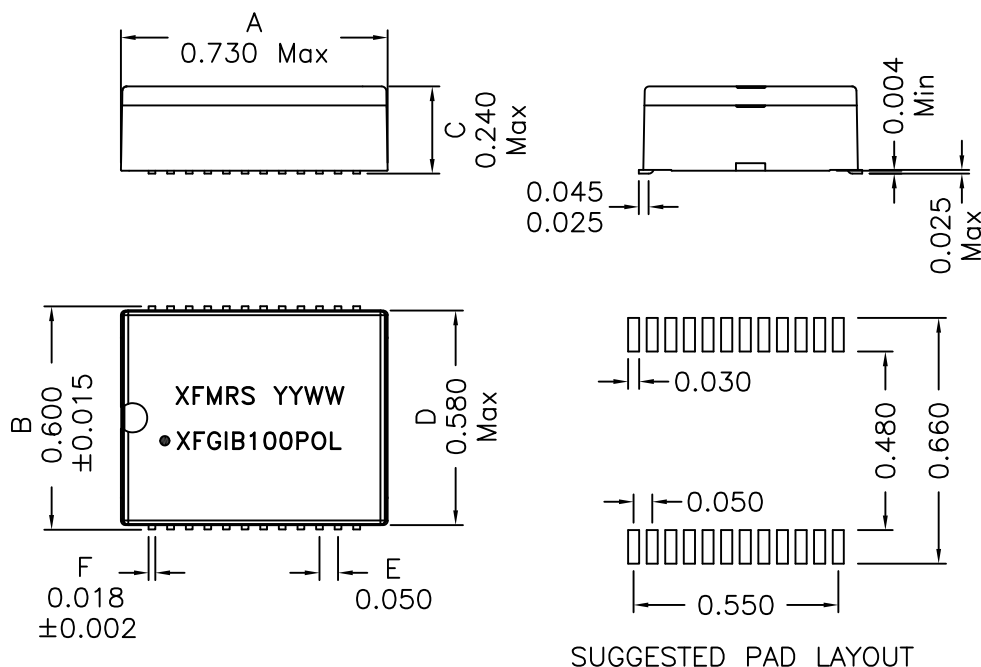
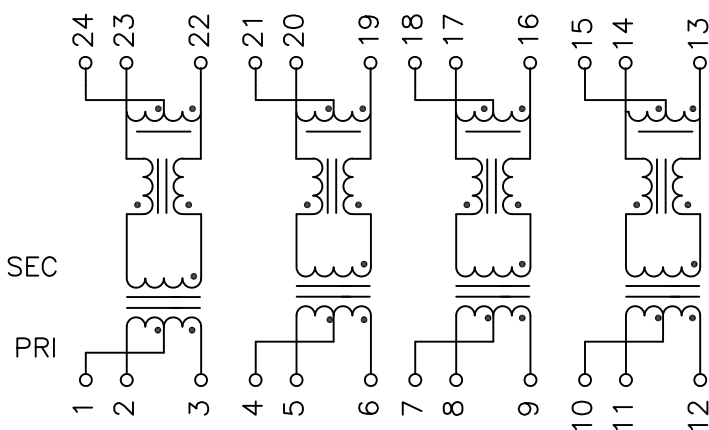


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

ISOLATION: 1500 Vrms Pri to Sec
 TURNS RATIO: (PRI/SEC) 1CT:1CT ±2%
 OCL: 350uH MIN @100KHz 100mV 8mADC
 Rise Time: 1.75ns Max.
 INSERTION LOSS: -1.0dB MAX
 @1MHz-100MHz, 0/350mA DC through Auto-XFMRS
 RETURN LOSS: -18dB Min @1-40MHz
 -12dB Min @40-80MHz
 -10dB Min @80-100MHz
 Differential to Common Mode Rejection:
 -40dB Min @30-60MHz
 -35dB Min @60-100MHz
 CMRR: -30dB Min @1-100MHz
 Crosstalk: -45dB Min @30MHz
 -40dB Min @60MHz -35dB Min @100MHz
 Secondary Auto-XFMR Rated Current: 350mADC
 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 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: B/1

XFMRS Inc www.XFMRS.com	Title: 1000BASE-T Modules		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in INCH		P/N: XFGIB100POL REV. B
	DWN.	Feng	Jul-06-12
	CHK.	YK Liao	Jul-06-12
SHT 1 OF 1	APP.	BSJ	Jul-06-12

PROPRIETARY

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