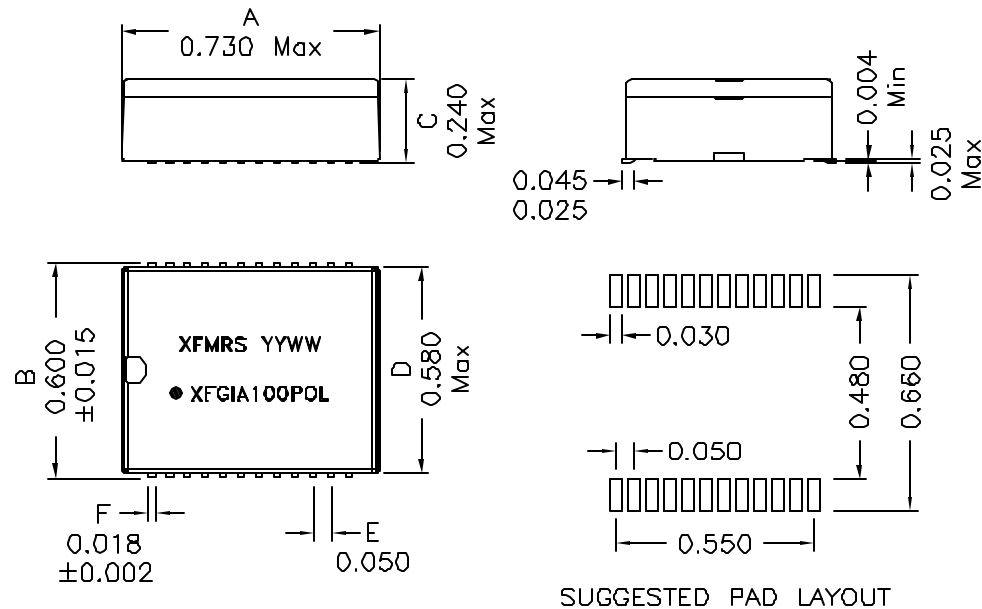
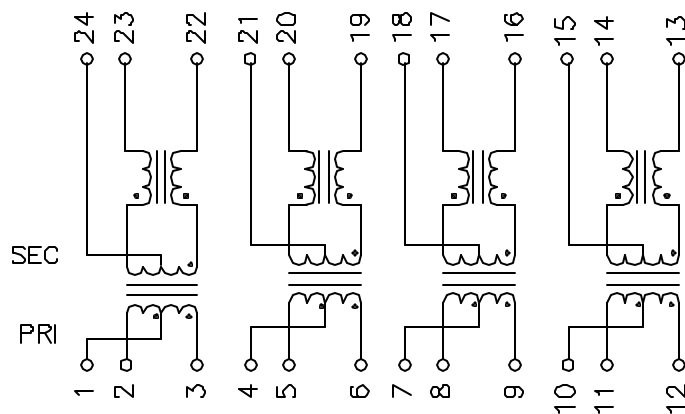


1. Mechanical Dimensions:



2. Schematic:



DOC. REV: B/1

3. Electrical Specifications: @25°C

ISOLATION: 1500 Vrms Pri to Sec

URNS 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

Rated Current:

800mA Max @57Vdc continuous Pins 24,21,18,15

1200mA Max @57Vdc for 200milliseconds Pins 24,21,18,15

Q: 5 Min @10KHz 50mV

Notes:

- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
- Flammability: ULB4V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E15155B
- 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

XFMR5 Inc www.XFMR5.com		Title: 1000BASE-T Modules	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in INCH	P/N: XFGIA100POL	REV. B	
	DWN.	Mei Chen	Aug-22-11
	CHK.	YK Liao	Aug-22-11
SHEET 1 OF 1	APP.	Joe Huff	Aug-22-11