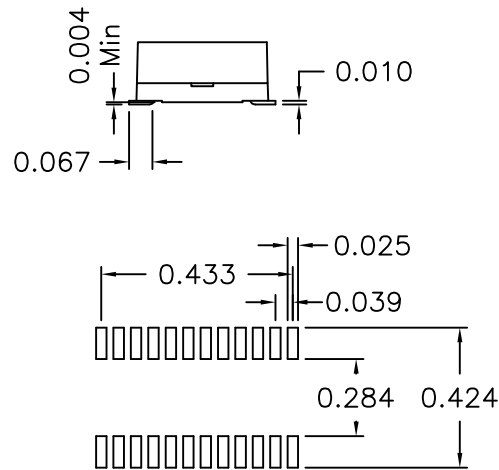
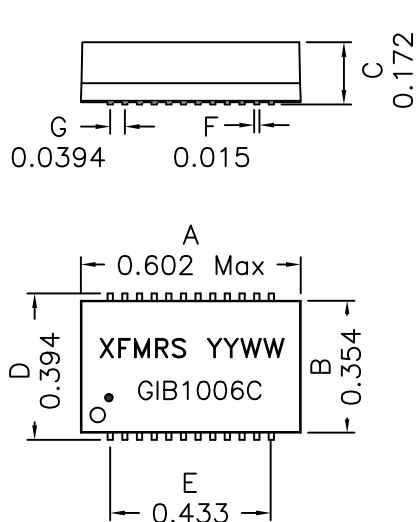
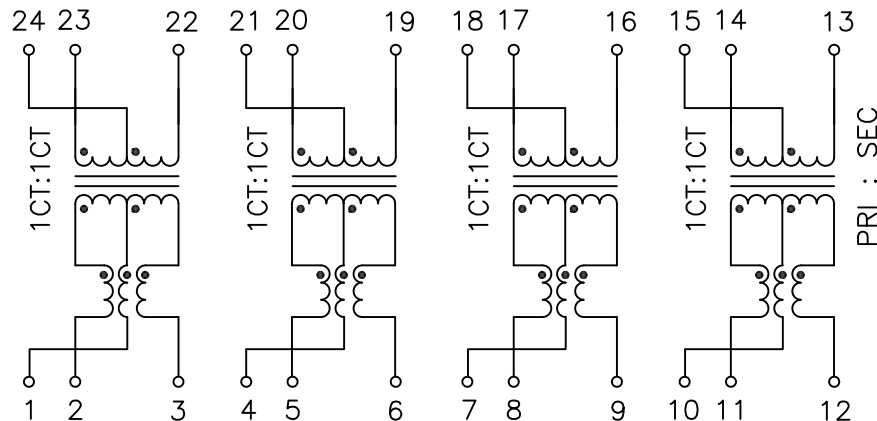


1. Mechanical Dimensions:



SUGGESTED PAD LAYOUT

2. Schematic:



DOC REV: A/2

3. Electrical Specifications: @25°C

ISOLATION: 1500 Vrms

TURNS RATIO: (PRI/SEC) 1CT:1CT $\pm 5\%$

OCL: 350uH MIN @100KHz 100mV 8mADC

Q: 5 Min @10KHz 50mV

INSERTION LOSS: -1.0dB MAX @1–100MHz

RETURN LOSS: -18dB Min @1–30MHz

-14.4dB Min @40MHz

-13.1dB Min @50MHz

-10dB Min @60–80MHz

-10dB Min @100MHz

Differential to Common Mode Rejection:

-40dB Min @30MHz

-35dB Min @60MHz

-30dB Min @100MHz

Crosstalk: -45dB Min @30MHz

-40dB Min @60MHz

-35dB Min @100MHz

DCR: 1/2 Pri: 0.90 Ohms Max each

DCR: 1/2 Sec: 0.60 Ohms Max each

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 $+85^\circ\text{C}$
6. Storage Temperature Range: -25°C to $+125^\circ\text{C}$
7. Aqueous wash compatible
8. SMD Lead Coplanarity: $\pm 0.004"$ (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

XFMRS Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ± 0.010 Dimensions in INCH SHEET 1 OF 1	Title: 1000BASE-T Module		
	P/N: XFGIB1006C		REV. A
	DWN.	Feng	May-04-17
	CHK.	YK Liao	May-04-17
	APP.	DDC	May-04-17

PROPRIETARY

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