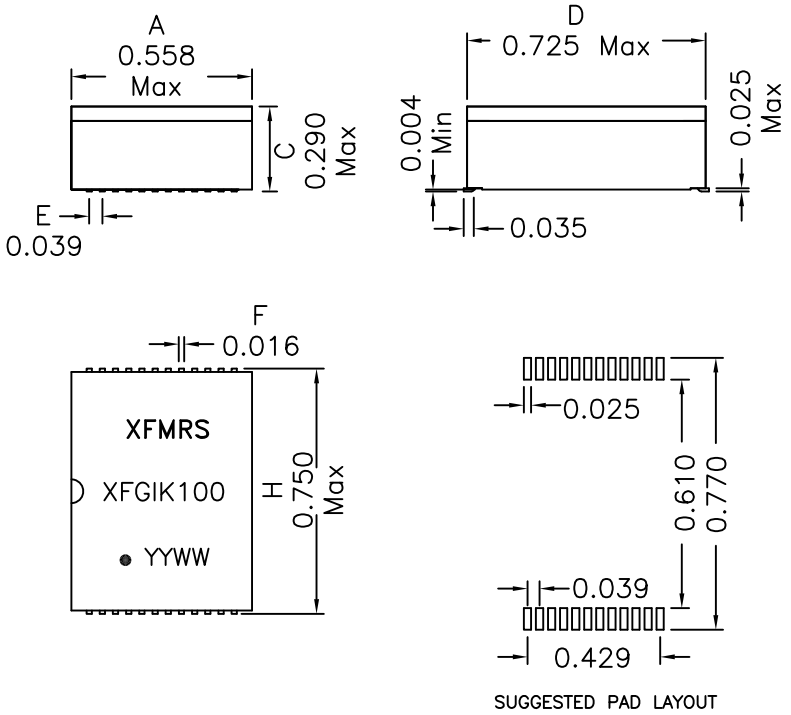
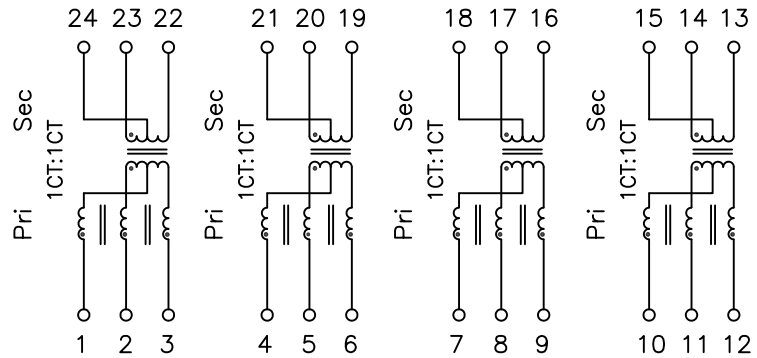
1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

Isolation: 1500 Vrms, Pri to Sec

Insertion Loss: −1.1dB Max @1MHz−100MHz

Pri OCL: 350uH Min @100KHz 100mV 8mADC

Pri Q: tbd Min @100KHz 100mV

Sec DCR: 0.9 Ohms Max

Turns Ratio: Pri:Sec=1CT:1CT±2%

Return Loss: −18dB Min @1−40MHz

−14dB Min @60MHz

−12dB Min @80MHz

−10dB Min @100MHz

Common Mode Rejection:

−40dB Typ @0.1MHz−100MHz

Crosstalk: −40dB Typ @1MHz−100MHz

PRELIMINARY

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 : −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: A/−

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XFMRS Inc www.XFMRS.com	Title: Isolation Module		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFGIK100		REV. A
	DWN.	Huo	May−16−17
	CHK.	YK Liao	May−16−17
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