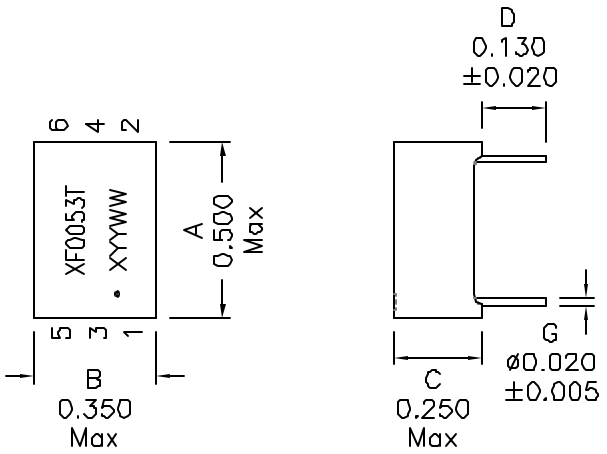
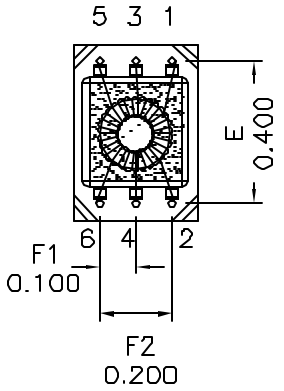
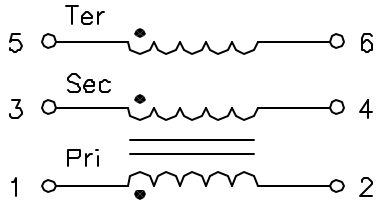
1. Mechanical Dimensions:





2. Schematic:



3 Windings

3. Electrical Specifications: @25°C

OCL: Pins 1–2 5000uH Minimum @100KHz 50mV

Q: Pins 1–2 8 Min @10KHz 50mV

Cw/w: Pins 1–3 60pF Maximum @100KHz 50mV

LL: Pins 1–2 1.3uH Max @100KHz 50mV (short all else)

DC Resistance: 3.90 Ohms Maximum (EACH WINDING)

ET Constant: 25 V–us Minimum

Rise Time: 10.5ns Maximum

Turns Ratio: 1:1:1 ±5% (Pri/Sec/Ter)

Isolation: 500 Vrms

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. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component

DOC. REV A/4

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XFMRS Inc www.XFMRS.com	Title: Data Coupling Transformer		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XF0053T		REV. A
	DWN.	Feng	Nov–08–10
	CHK.	YK Liao	Nov–08–10
SHT 1 OF 1	APP.	Joe Huff	Nov–08–10