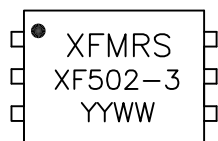
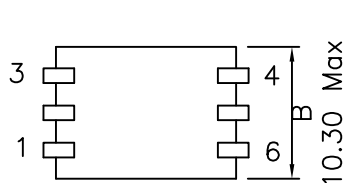
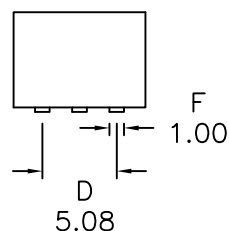
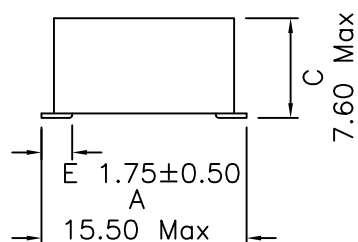


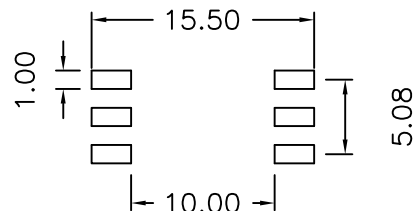
1. Mechanical Dimensions:



(TOP VIEW)



(BOTTOM VIEW)

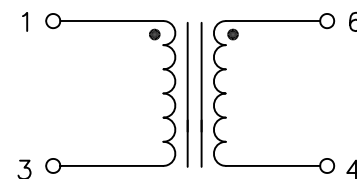


Suggested Pad Layout

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
11. Recommended IR Reflow peak temp of 235C Max.

2. Schematic:



3. Electrical Specifications: @25°C

Inductance: Pins 1-3 3.5H Min @200Hz, 0.78V Lp Scale
 Leakage L: Pins 1-3 7mH Max @1KHz, 0.78V (short 4-6)
 Reflects 600 Ohms at PRI with 600 Ohms Load on SEC
 DC Res: Pins 1-3 115 Ohms±15%
 Pins 4-6 115 Ohms±15%
 Frequency Response: ±0.25dB Max @200-4000Hz, 0dBm
 Insertion Loss: 2.0dB Max @2KHz, 0dBm
 Return Loss: 14dB Min @200-4000Hz, 0dBm
 THD: -76dB Max @600Hz -10dBm
 Longitudinal Balance: 80dB Min @60Hz-4000Hz, 0dBm
 Turns Ratio: Pins (1-3):(6-4) = 1:1±2%
 HIPOT: 3000Vac, Wdg to Wdg

DOC. REV: A/3

XFMRS Inc www.XFMRS.com	Title: Modem Xfmr		
	UNLESS OTHERWISE SPECIFIED		P/N: XF502-3
TOLERANCES: .xx ±0.20 Dimensions in MM	DWN.	Yuan	REV. A
	CHK.	YK Liao	Oct-23-13
SHEET 1 OF 1	APP.	DDC	Oct-23-13

PROPRIETARY

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