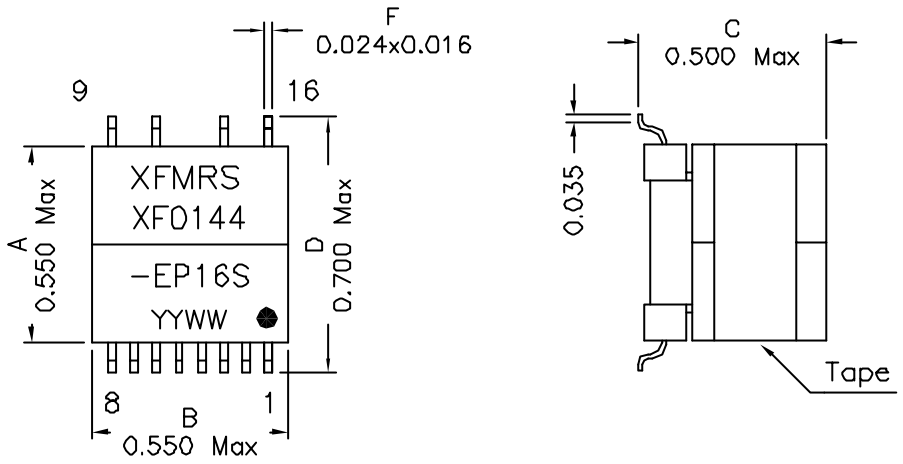
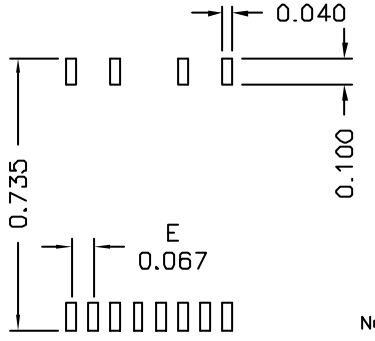
1. Mechanical Dimensions:





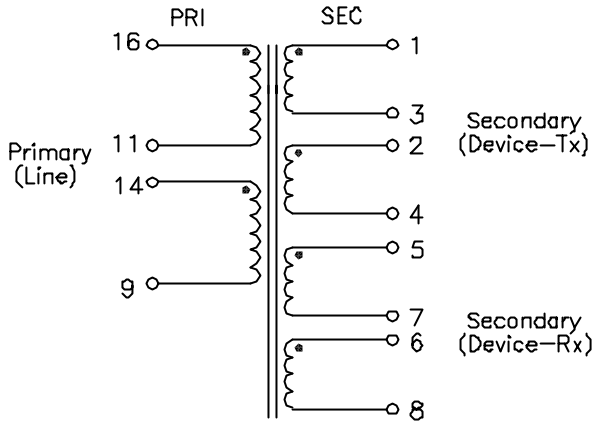
(SUGGESTED PAD LAYOUT)

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. Designed to meet UL60950/CSA60950 and AS/NZ60950 for Supplementary Insulation for a primary circuit at a working voltage of 250Vrms.

DOC REV: A/2

2. Schematic:



3. Electrical Specifications: @25°C

OCL: Pins 16-9 1.4mH±10% @10KHz 0.1V, Tie Pins 11-14
LL: Pins 16-9 25uH Max @100KHz 0.1V, Tie Pins 11-14, 2-3, 1-4
Pins 16-9 35uH Max @100KHz 0.1V, Tie Pins 11-14, 6-7, 5-8
CW/W: Pins 16-1 90pF Max @100KHz 0.1V, Tie Pins 11-14, 2-3
Pins 16-5 70pF Max @100KHz 0.1V, Tie Pins 11-14, 6-7
TURNS RATIO: Pins (16-9):(1-4) = 4.20:1.00
Pins (16-9):(5-8) = 2.00:1.00
Pins (16-11):(1-3) = 4.20:1.00
Pins (16-11):(5-7) = 2.00:1.00
DCR: Pins 16-11 2.86 Ohms Max
Pins 14-9 2.86 Ohms Max
Pins 1-3 0.215 Ohms Max
Pins 2-4 0.215 Ohms Max
Pins 5-7 1.43 Ohms Max
Pins 6-8 1.43 Ohms Max
THD: -88dB Max @20KHz, 15Vp-p input, 5.7 Ohm load (1-4), 1000 Ohms load 5-8, 100 Ohm Input
Logitudinal Balance: 40dB Min @20KHz-1100KHz
Insertion Loss: 1dB Max @300KHz, 5.70 Ohm Load
HIPOT: 1875Vac, PRI to SEC

XFMRS Inc www.XFMRS.com	Title: xDSL TRANSFORMER		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in INCH	P/N: XF0144-EP16S		REV. A
	DWN.	Juan Mao	Aug-10-06
	CHK.	YK Liao	Aug-10-06
SHEET 1 OF 1	APP.	MS	Aug-10-06