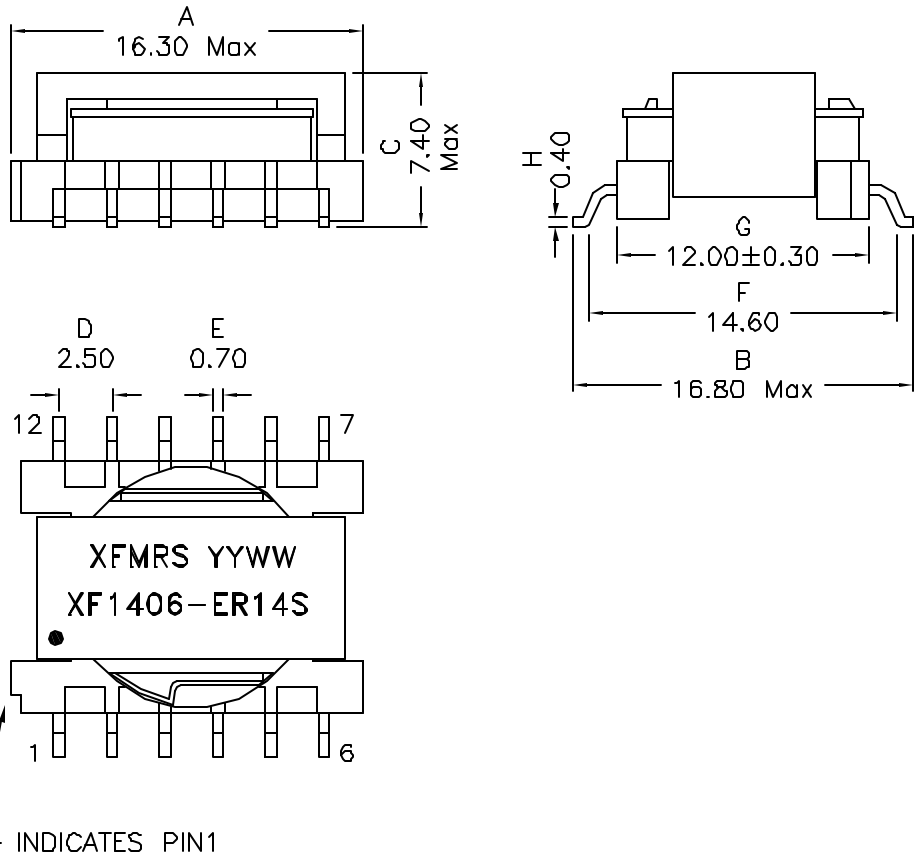
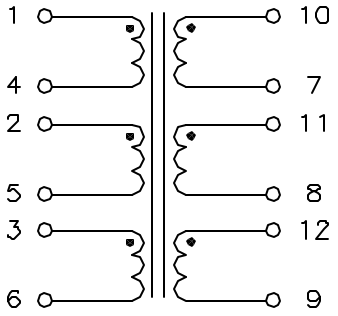
1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

OCL: Pins 1-4 140uH Typ @10KHz 1V, -15°C to +85°C

Pins 1-4 75-125uH @10KHz 1V, -40°C to -15°C

LL: Pins 1-4 0.17uH Typ @10KHz, 1V (short all else)

Q: Pins 1-4 8 Min @10KHz 1V

DCR: 0.159 Ohms Max. Each Wdg

Turns Ratio: (1-4):(2-5):(3-6):(10-7):(11-8):(12-9) =1:1:1:1:1:1

Isat: 0.02Adc Typ

Irms: 0.95A Typ

Volt-uS: 48.3uVs Max

Epeak: 0.29uJ Typ

Thermal Resistance: 44°C/Watt Typ

HIPOT: 500VAC Wdg to Wdg & Wdgs to Core

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. All listed parameters are to be within tolerance from -40°C to +85°C unless otherwise noted
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

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XFMRS Inc www.XFMRS.com	Title: Surface Mount Inductor		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in mm	P/N: XF1406-ER14S		REV. A
	DWN.	Feng	Apr-26-11
	CHK.	YK Liao	Apr-26-11
SHT 1 OF 1	APP.	Joe Huff	Apr-26-11

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