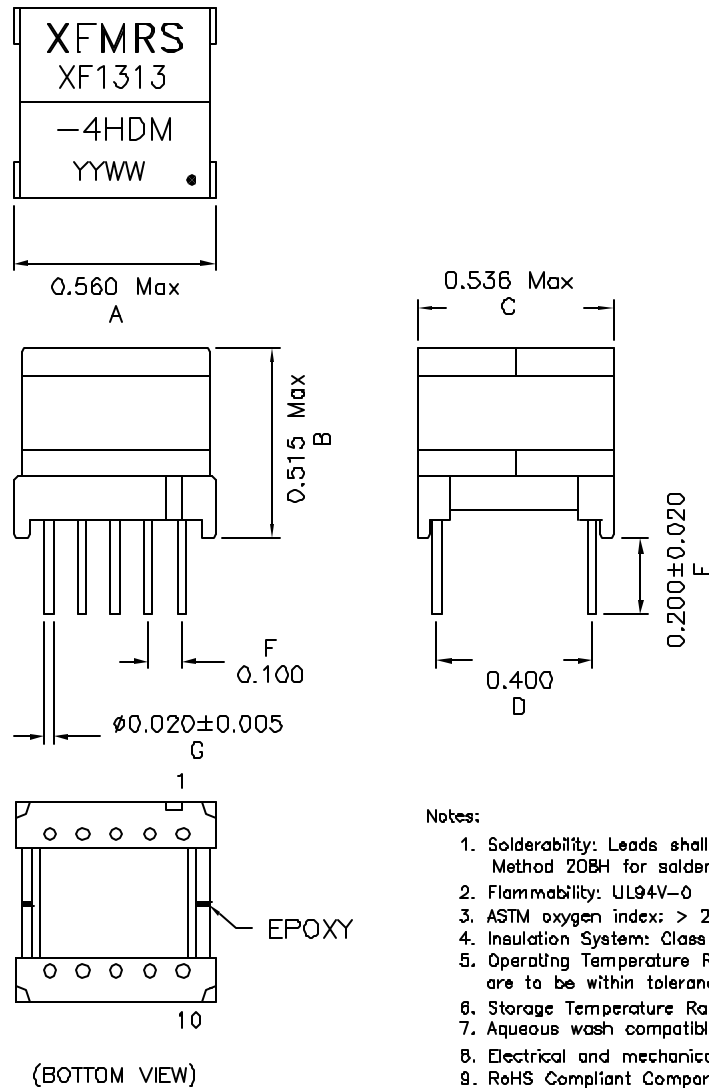


## 1. Dimensions:

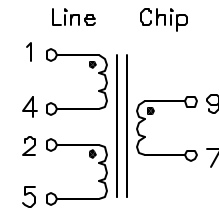


### Notes:

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
10. UL1950 approved to Supplementary Insulation requirements for a working voltage up to 300V, file #E165866.

DOC. REV C/3

## 2.Schematic:



## 3.Electrical Specifications: @25°C

OCL: Pins 1-5 3.0mH  $\pm 6\%$  @10KHz 0.1V  
 LL: Pins 1-5 11uH Max @100KHz 100mV  
 (Tie Pins 2-4, Pins 7-9)  
 Turns Ratio: Line:Chip = 2CS:1 $\pm 1\%$   
 DCR: 2.5 Ohms Max (Line)  
 DCR: 1.0 Ohm Max (Chip)  
 DC Current: 100mA  
 THD: 70dB Min. @40KHz  
 RETURN LOSS: 20dB Min. @40KHz-200KHz  
 INSERTION LOSS:  $\pm 0.4$ dB Max @200KHz  
 LONGITUDINAL BALANCE: 53dB Min. @40KHz-200KHz  
 FREQ RESP:  $\pm 0.1$ dB, 40KHz-200KHz  
 Isolation Voltage: 2500Vrms (Chip to Line)

PROPRIETARY

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|                                                                                     |                  |                            |           |
|-------------------------------------------------------------------------------------|------------------|----------------------------|-----------|
| XFMRS Inc<br>www.xfmrs.com                                                          |                  | Title:<br>HDSL TRANSFORMER |           |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xxx $\pm 0.010$<br>Dimensions in INCH | P/N: XF1313-4HDM |                            | REV. C    |
|                                                                                     | DWN.             | 罗振江                        | Jul-13-07 |
|                                                                                     | CHK.             | 廖玉坤                        | Jul-13-07 |
|                                                                                     | APP.             | MS                         | Jul-13-07 |
| SHEET 1 OF 1                                                                        |                  |                            |           |