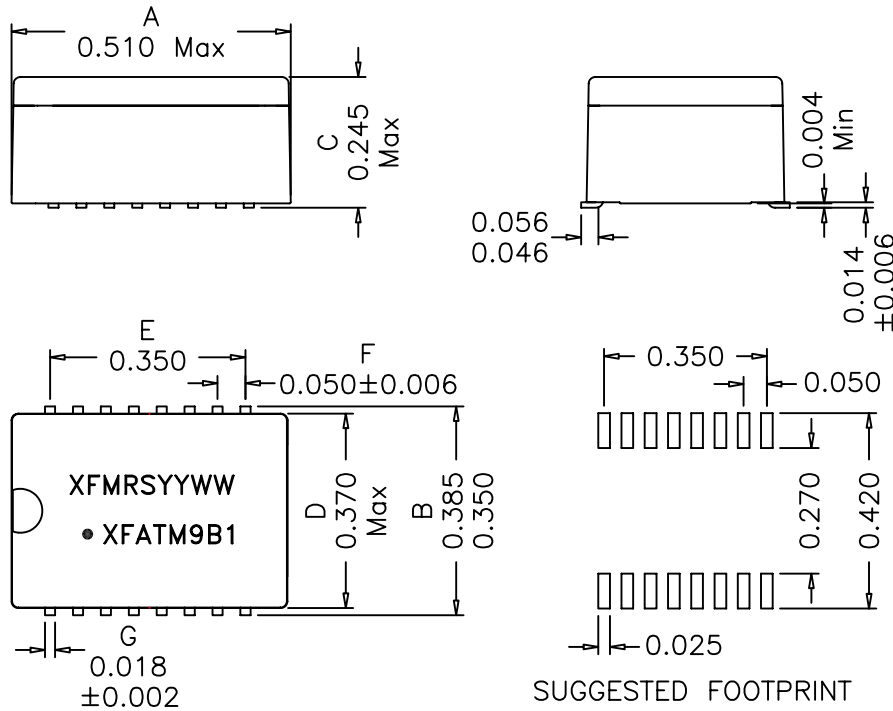


## 1. Mechanical Dimensions:

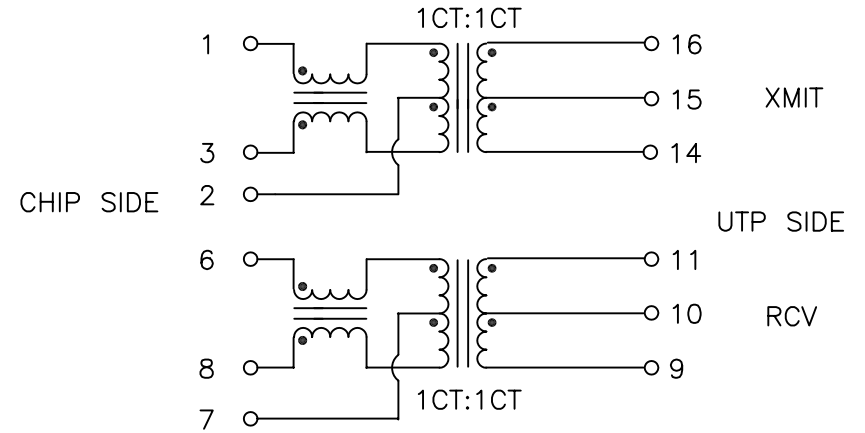


### Notes:

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. SMD Lead Coplanarity:  $\pm 0.004''$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

DOC. REV: B/2

## 2. Schematic:



## 3. Electrical Specifications: @25°C

UTP Impedance: 100 OHMS

Turns Ratio: TX : 1CT:1CT  $\pm 2\%$  RX : 1CT:1CT  $\pm 2\%$

Isolation Voltage: 1500 VAC (Input to Output)

UTP Side OCL: 350uH Minimum @100KHz, 100mV 8mADC

UTP Side Q: 18 Minimum @100KHz, 100mV

Rise Time (10-90%): 4.0ns Typical

Insertion Loss (1-100MHz): -1.0dB Maximum

Return Loss : 30MHz 60MHz 80MHz

-20dB -14dB -11.5dB (Typical)

CMRR (1MHz-100MHz): -40dB TYPICAL

Crosstalk Attenuation: -40dB Minimum

Q: 5 Min @10KHz, 50mV

<b>XFMRS Inc.</b> <a href="http://www.XFMRS.com">www.XFMRS.com</a>	Title: 10/100 BASE MAGNETIC MODULE		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx $\pm 0.010$ Dimensions in Inch	P/N: XFATM9B1	REV. B
SHT 1 OF 1	DWN.	Feng	Nov-02-11
	CHK.	YK Liao	Nov-02-11
	APP.	BW	Nov-02-11