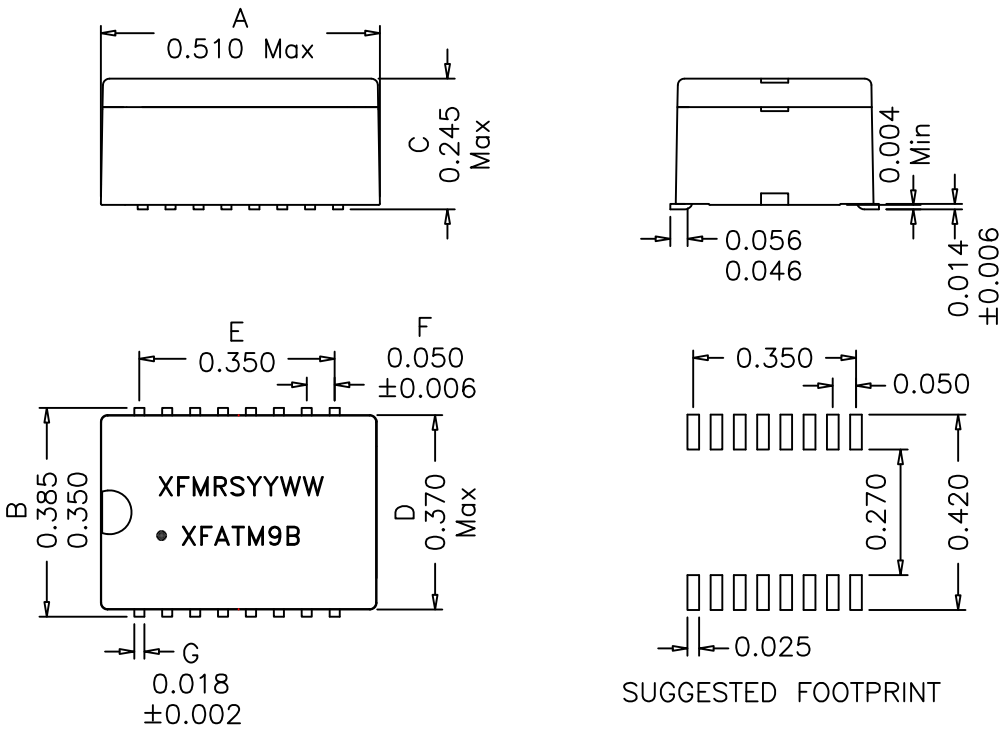
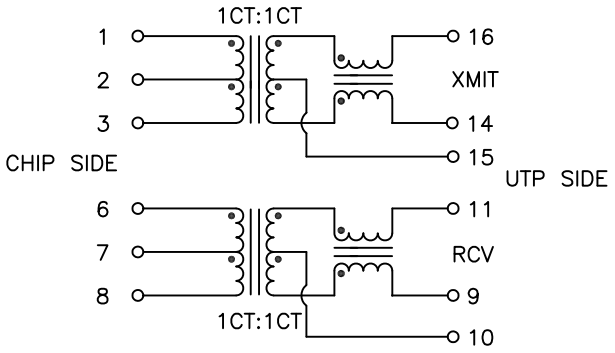
1. Mechanical Dimensions:



SUGGESTED FOOTPRINT

2. Schematic:



3. Electrical Specifications: @25°C

UTP Impedance: 100 OHMS

Turns Ratio: TX=1CT:1CT±2% RX=1CT:1CT±2%

Isolation Voltage: 1500Vac, Input to Output

UTP Side OCL: 350uH Min @100KHz 0.1V, 8mAdc

UTP Side Q: 16 Min @100KHz 0.1V,

Rise Time (10−90%): 4.0ns Typical

Insertion Loss (1−132MHz): −1.0dB Maximum

Return Loss:	30MHz	60MHz	80MHz	132MHz	
	−20dB	−14dB	−11.5dB	−9.5dB	Typ

CMRR:	30MHz	50MHz	100MHz	132MHz	
	−42dB	−37dB	−33dB	−25dB	Typ

Crosstalk:	30MHz	60MHz	100MHz	132MHz	
	−45dB	−40dB	−35dB	−28dB	Typ

Notes:

1. Solderability: Leads shall meet MIL−STD−202G, Method 208H for solderability.
2. Flammability: UL94V−0
3. ASTM oxygen index: > 28%
4. Constructed with UL Recognized materials.
5. Operating Temperature: −40°C to +125°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 250°C Max.

DOC. REV: C/6

XFMRS Inc www.XFMRS.com	Title: 10/100 BASE MAGNETIC MODULE		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFATM9B		REV. C
	DWN.	Huo	Mar−08−17
	CHK.	YK Liao	Mar−08−17
SHEET 1 OF 1	APP.	BSJ	Mar−08−17