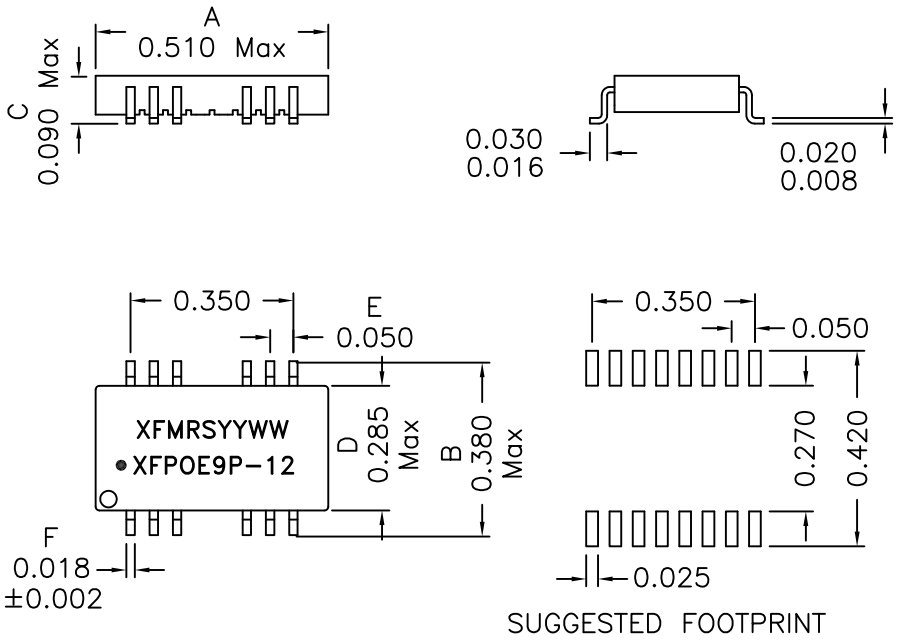
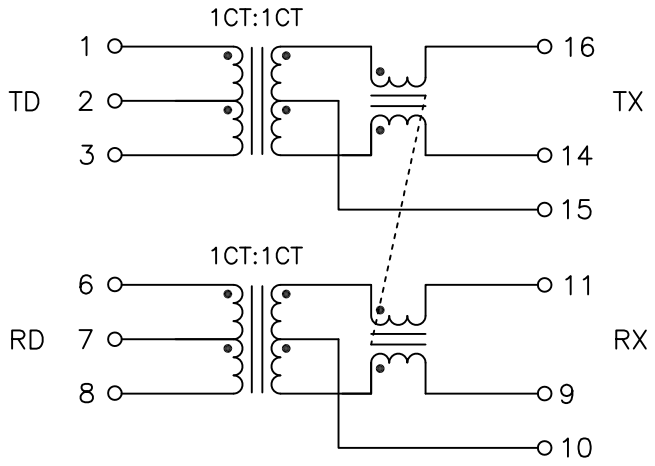
1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

Turns Ratio: TD:TX 1CT:1CT ±3% RD:RX 1CT:1CT ±3%
Isolation Voltage: 1500 VAC (Input to Output)
UTP Side OCL: 350uH Min @100KHz, 0.2V
300uH Min @100KHz, 0.2V (−40C to +85C)
UTP Side Q: 5 Min @100KHz, 100mV
Insertion Loss (0.5−100MHz): 1.1dB Max
Return Loss (0.5−30MHz): 18dB Min
(30.1−60MHz): 18−20*log(f/30)dB Min
(60.1−80MHz): 12dB Min
CMMRR (0.5−100MHz): 30dB Min
Cross talk (0.5−40MHz): 35dB Min
(40.1−100MHz): 33−20*log(f/50)dB Min
Rated Current: 150mAdc

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 −40C to +85C unless otherwise noted.
6. Storage Temperature Range: 0°C to +70°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: A/1

XFMRS Inc. www.XFMRS.com	Title: 10/100BASE−TX POE MAGNETICS		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFPOE9P−12		REV. A
	DWN.	Yuan	Jan−09−15
	CHK.	YK Liao	Jan−09−15
SHEET 1 OF 1	APP.	BSJ	Jan−09−15

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