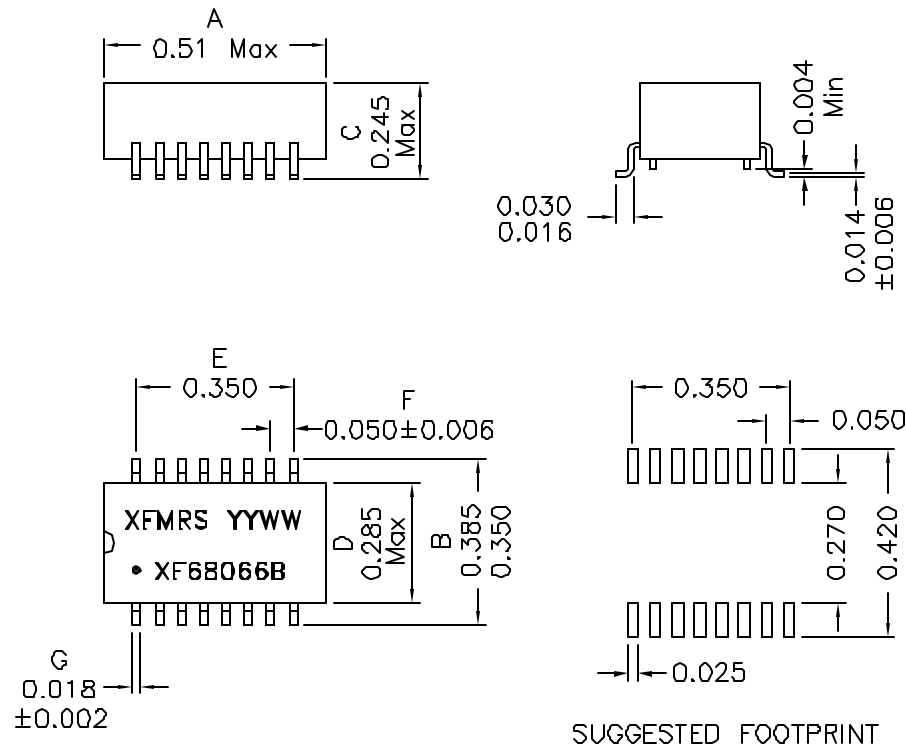
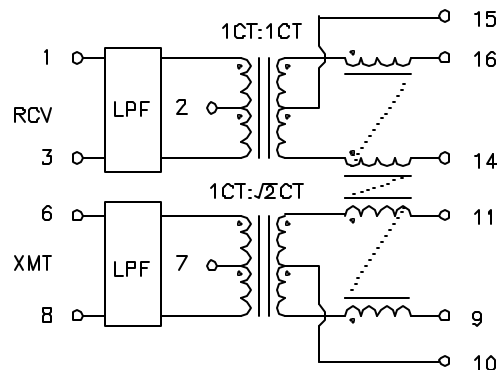


1. Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

Isolation Voltage: 1500 VAC

Turns Ratio: (XMT 1CT: $\sqrt{2}$ CT; RCV 1CT:1CT)

OCL: Pins 1-3 160uH Minimum @100KHz 50mV

Pins 6-8 120uH Minimum @100KHz 50mV

Q: Pins 1-3 5 Min @10KHz 50mV

Cw/w: 20pF MAX @100KHz 50mV (P1-16)

LL : 0.3uH MAX @100KHz 50mV (P1-3 W/SHORT P14,15,16)

DCR: Pins 1-3 0.5 ohms MAX

Insertion loss : 1.5dB MAX @1-10MHz(XMT & RCV)

Attenuation(MIN): -7dB(XMT), -6dB(RCV) @20MHz

-19dB(XMT), -14dB(RCV) @25MHz

-32dB(XMT), -20dB(RCV) @30MHz

-35dB(XMT), -31dB(RCV) @40MHz

Cut-off FREQ. : 17MHz TYP (XMT & RCV)

Return loss : 15dB MIN @5-10MHz (XMT)

Crosstalk: 30dB MIN @1-10MHz

Common mode rejection: 30dB MIN @30MHz-100MHz

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: $\pm 0.004" (0.102\text{mm})$
9. Electrical and mechanical specifications 100% tested
10. RoHS 5/6 Compliant, 63/37 leaded solder dipping on FG pins
11. Recommended IR Reflow temp 225C Max.

DOC REV.: A/5

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XFMR5 Inc www.XFMR5.com		Title: 10BASE-T FILTER	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XF68066B		REV. A
	DWN.	Feng	Jan-27-11
	CHK.	YK Liao	Jan-27-11
	APP.	Joe Huff	Jan-27-11
SHT 1 OF 1			