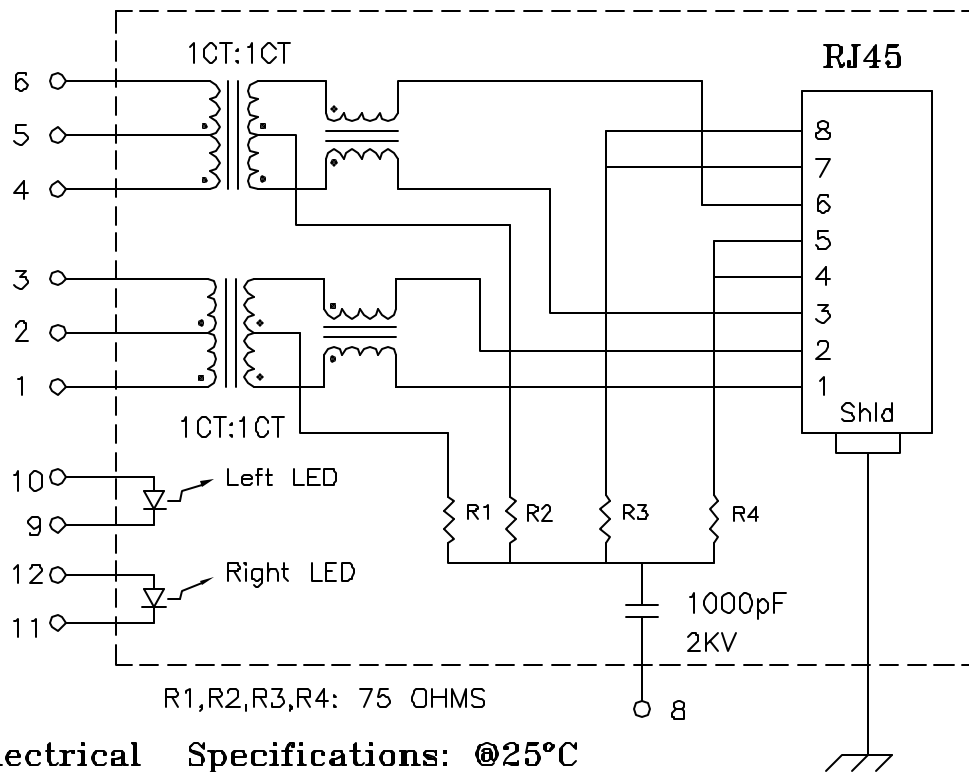


**Schematic:**

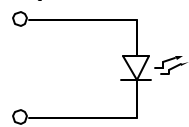
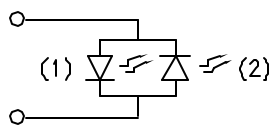


**Electrical Specifications: @25°C**

Isolation Voltage: 1500 Vrms (Input to Output)  
 Isolation Voltage: 500 Vrms (P1+2+3 to P4+5+6)  
 Turns Ratio: TX 1CT:1CT ±3% RX 1CT:1CT ±3%  
 CABLE SIDE OCL: 350uH Minimum @100KHz 100mV 8mADC  
 CABLE SIDE Cw/w: 30pF Max @1MHz 100mV  
 CABLE SIDE LL: 0.300uH Max @1MHz 100mV, Short Sec  
 DCR: (J6-J3)=(J2-J1) 1.2 Ohms Max  
 Insertion Loss (100KHz-100MHz): -1.10dB Typ  
 Return Loss: @1-30MHz -18dB Typ  
                   @60-80MHz -12dB Typ  
 Cross Talk (1MHz-100MHz): -40dB Typ  
 Common to Common Mode Attenuation: (30MHz-100MHz) -35dB Typ  
 Rise Time: 1Vpeak Output 3.0nSec Max  
                   112nSec Pulse Width 3nSec Max

Complete the Combo P/N as follows:

Replace 'x' & 'u' in the part number with one of the LED color letters:  
 Y=Yellow  
 G=Green  
 A=Amber  
 R=Red  
 C=Green(1)/Amber(2) Bicolor  
 D=Amber(1)/Green(2) Bicolor  
 M=Green(1)/Yellow(2) Bicolor  
 N=Yellow(1)/Green(2) Bicolor  
 P=Red(1)/Green(2) Bicolor  
 Q=Green(1)/Red(2) Bicolor

Single Color LED:  Bi-Color LED: 

DOC. REV: A/1

**Notes:**

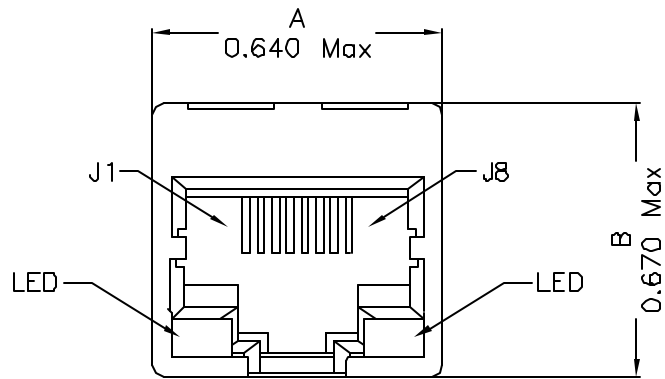
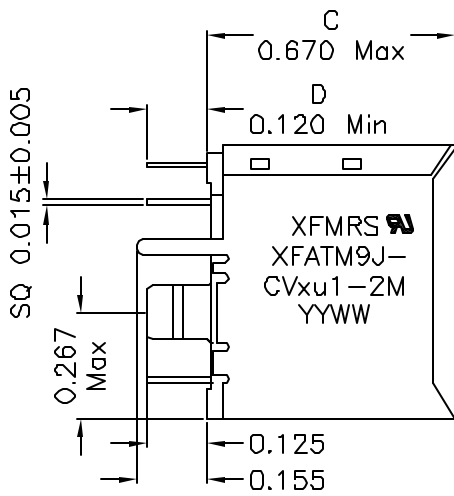
1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151566
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component

<b>XFMRs Inc.</b> www.XFMRs.com	Title: <b>VERTICAL MOUNT COMBO</b>		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010		P/N: XFATM9J-CVxu1-2M
Dimensions in Inch	DWN.	Juan Mao	Aug-30-06
	CHK.	YK Liao	Aug-30-06
SHEET 1 OF 2	APP.	BW	Aug-30-06

**PROPRIETARY:**

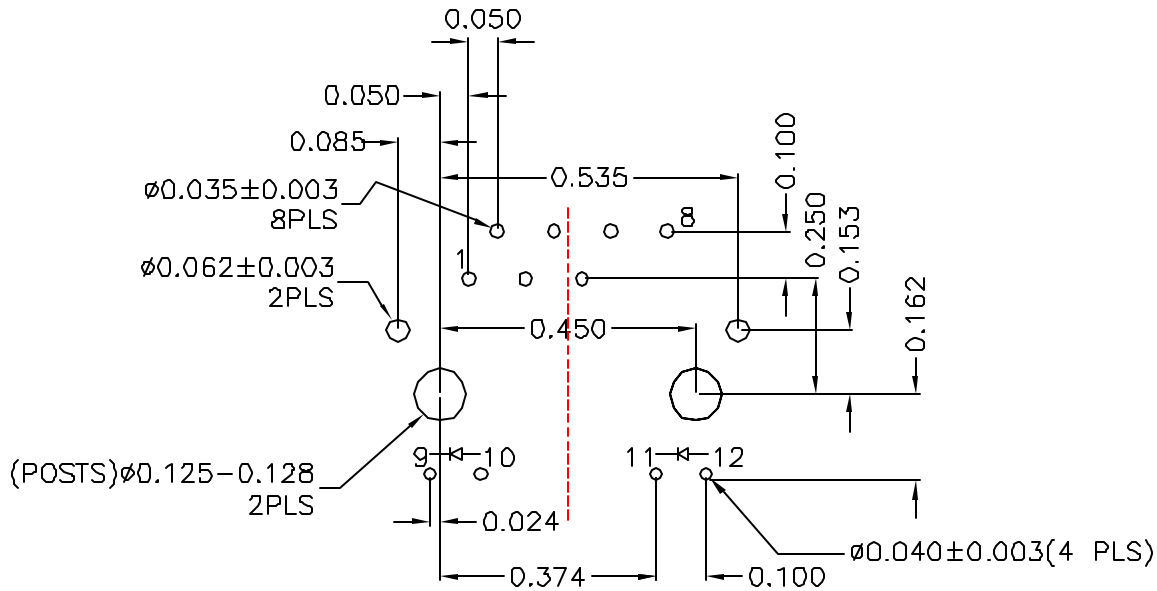
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### Mechanical Dimensions:



\*Remove Pin#7

### Mounting Pattern:



P.C.B RECOMMENDED HOLE LAYOUT

DOC REV: A/1

**PROPRIETARY**

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<b>XFMR S Inc.</b> www.XFMR S.com		Title: Mechanical Dimensions For CVxu1-2M Series	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch		P/N: XFATM9J-CVxu1-2M	REV. A
DWN.	Juan Mao	Aug-30-06	
CHK.	YK Liao	Aug-30-06	
SHEET 2 OF 2	APP.	BW	Aug-30-06