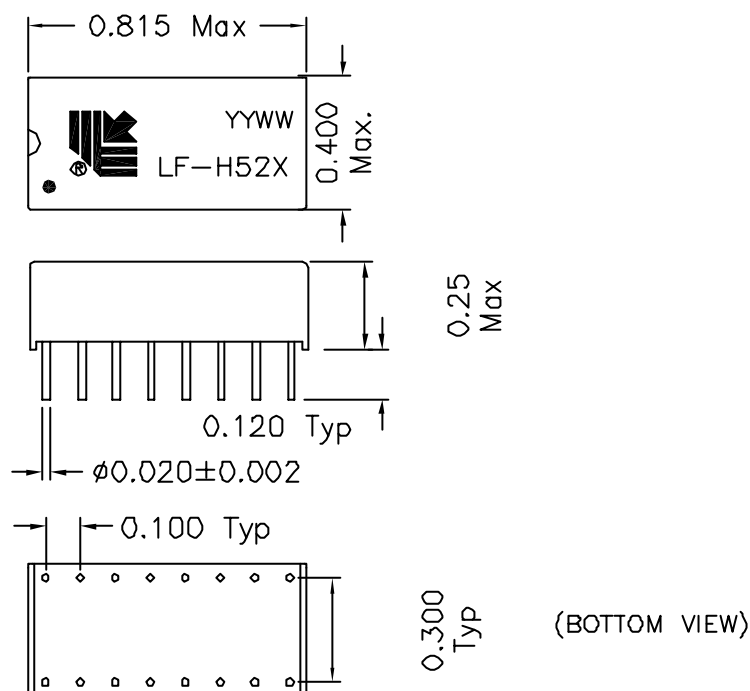


# 10/100BASE-TX SINGLE PORT DIL PACKAGE MAGNETICS

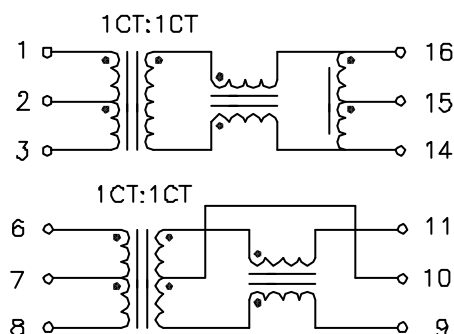
## Electrical Specifications: @25°C

Isolation Voltage: 1500 Vrms (INPUT to OUTPUT)  
 Trun Ratio: (1-2-3):(16-15-14)=1CT:1CT  $\pm 3\%$   
 Turn Ratio: (6-7-8):(11-10-9)=1CT:1CT  $\pm 3\%$   
 OCL: 350uH Minimum @100KHz 100mV 8mADC  
 Rise Time: 2.5ns Typical  
 Cw/w: 20pF Typical @100KHz 100mV  
 Leakage Inductance: 0.4uH Maximum @100KHz 100mV  
 Insertion Loss (100KHz~100MHz) : -1.0dB Maximum  
 Return Loss: -18dB Minimum @1MHz ~ 30MHz  
                   -15dB Minimum @40MHz ~ 50MHz  
                   -12dB Minimum @60MHz ~ 80MHz  
 CMRR: -40dB Typical @100KHz -100MHz  
 Crosstalk: -38dB Minimum @100KHz -100MHz

## Mechanicals:



## Schematics:



Specification subject to change without notice

|                 |                    |                                                                        |           |       |                |
|-----------------|--------------------|------------------------------------------------------------------------|-----------|-------|----------------|
| P/N:<br>LF-H52X | DIMENSIONS IN INCH | Unless otherwise specified<br>Dim. Tolerances are:<br>.xxx $\pm 0.010$ | REV: A1   | DRWN: | DATE: 03-10-01 |
|                 | SCALE: NONE        |                                                                        | PAGE: 1/1 | APPD: | DATE:          |