

HOME PHONE NETWORKING

BANDPASS and 10/100 BASE-T FILTER

- Supports TUT System[®] Home Run[™] Technology
- Includes protection circuitry, isolation and EMI filtering

Electrical Specifications: @25

Isolation Voltage: 1500 Vrms Minimum (INPUT to OUTPUT)

TUT Insertion Loss: -0.5dB Maximum @6MHz-9MHz

TUT Return Loss: -18dB Minimum @6MHz-9MHz

TUT Crosstalk: -40dB Minimum @1MHz-10MHz

TUT CMRR : -20dB Minimum @30-100MHz

-10dB Minimum @100-200MHz

10/100BASE-T Turn Ratio = 1:1 ±2% TX

= 1:1 ±2% RX

Inductance : 350uH Minimum, 8mA DC bias

10/100 BASE-T Insertion Loss: -1.0dB Maximum @1MHz ~ 100MHz

10/100 BASE-T Return Loss: -16dB Minimum @1 ~ 30MHz

: > 16-20 log(f/30MHz)dB @30 ~ 60MHz

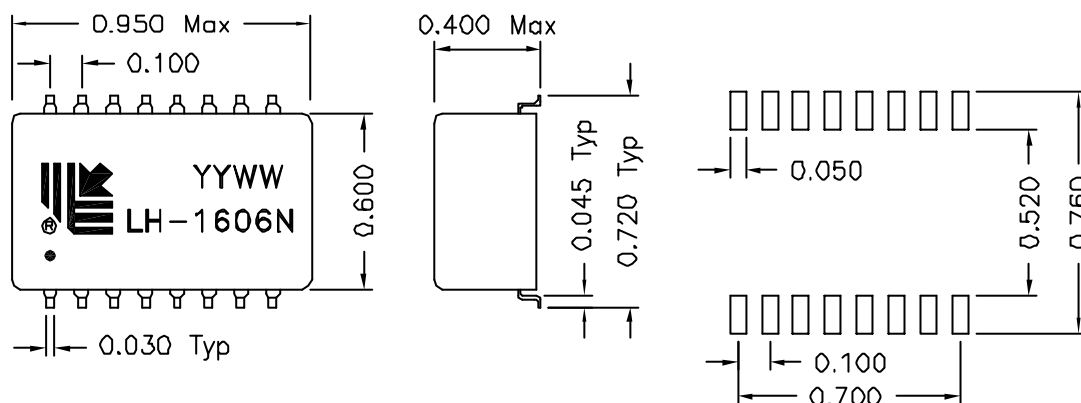
: -10dB Minimum @60 ~ 80MHz

10/100 BASE-T CMRR: -30dB Minimum @1 ~ 60MHz

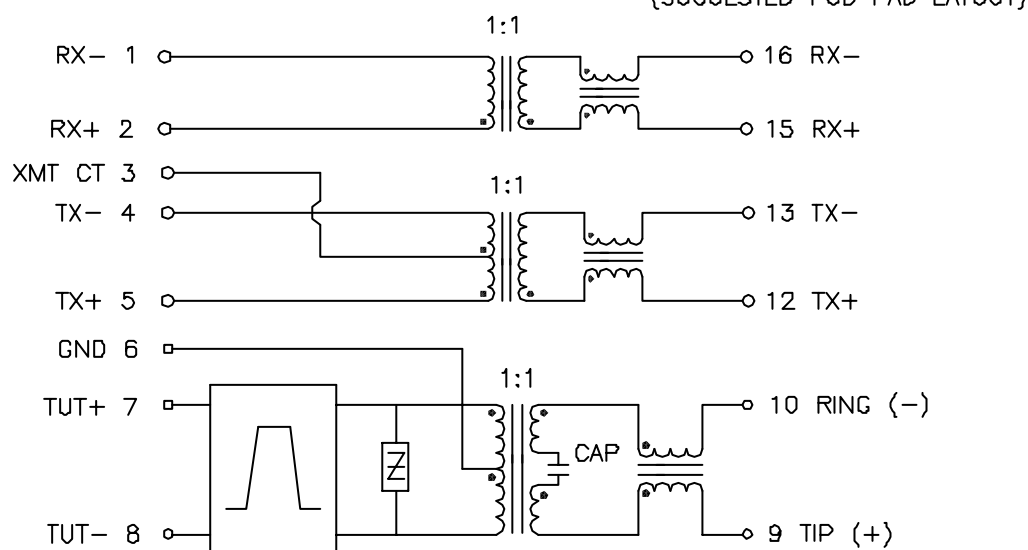
: -30dB Minimum @100MHz

: -25dB Minimum @100 ~ 200MHz

Mechanicals:



Schematics:



Specification subject to change without notice.

P/N: LH-1606N	DIMENSIONS IN INCH	Unless otherwise specified Dim. Tolerances are: .xxx ±0.010	REV: A1	DRWN:	DATE: 03-10-04
	SCALE: NONE		PAGE: 1/1	APPD:	DATE: