`40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN/:40ST1011L DATA SHEET

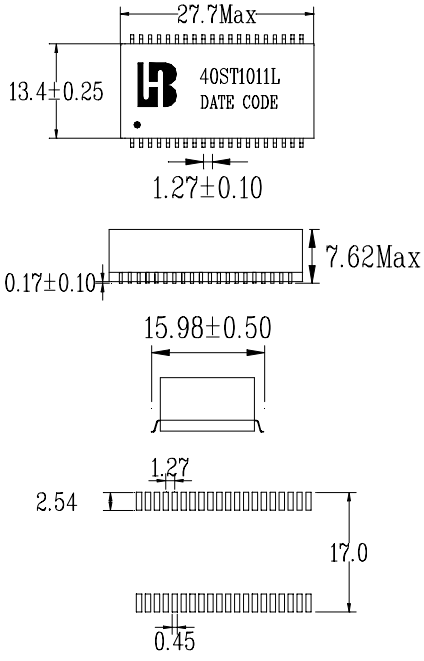
A. **GENERAL SPECIFICATIONS**

1. IEEE 802.3 ETHERNET COMPATIABLE, 100 BASE-TX
2. SURFACE MOUNTABLE
3. DESIGN FOR MULTIPORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION
4. CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION
5. OPERATING TEMP RANGE: 0°C TO 100°C.

B. **ELECTRICAL SPECIFICATIONS@25°C**

1. ISOLATION HI-POT: 1500 VRMS (PRI./SEC.)
2. TURN RATIO (+/- 5%): TX=1CT: 1.25CT, RX=1:1
3. RISE TIME: 2.5 ns TYP
4. CW/W: 28 pF TYP
5. LEAKAGE INDUCTANCE: 0.4uH Max
6. CMRR (0.1-100 MHz):-37dB MIN
7. RETURN LOSS (MIN): 5-30 MHz 30-60 MHz 60-80 MHz
   -16dB -12dB -10 dB
8. CROSSTALKS (0.1 TO 100MHz): -38dB Min
9. OCL (uH,Min):350 uH, at 8mA DC FORM 0-7□**C**
10. DCR: 0.9 Max
11. INSERTION LOSS (1MHz-100MHz) : -1.15dB Max

C.SCHEMATIC & DIMENSIONS & MARKING (UNIT mm):



Suggest pad layout

TOLERANCE: ±0.25

PIN 1-15 NO CIRCUIT

PIN 26-40 NO CIRCUIT

