

40PIN SMD ETHERNET 10/100 BASE TX TWO PORT TRANSFORMER

P/N:40ST1021A DATA SHEET

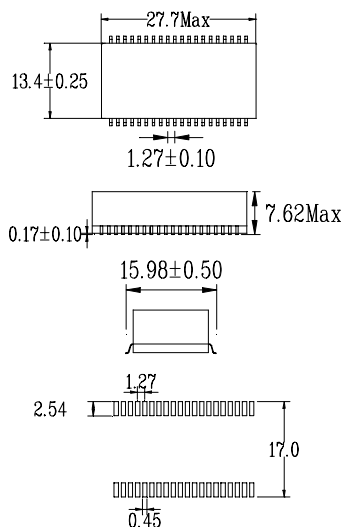
A.GENERAL SPECIFICATIONS:

- 1.40-PIN SMD PACKAGE & DESIGNED TO MEET 802.3 & IR REQUIREMENT.
- 2.OPERATING TEMP RANGE: 0°C TO+70°C.
- 3.STORAGE TEMP RANGE: -25°C TO+125°C.

B.ELECTRICAL SPECIFICATIONS @ 25°C:

- 1.PRI./SEC.ISOLATION:1500 Vrms.
- 2.INSULATION RESISTANCE: 10,000 MOHM.
- 3.TURN RATIO: TX: 1CT:1CT; RX:1CT:1CT(±5%)
- 4.PRI.OCL (uH MIN.): TX & RX: 350 AT 100KHz, 0.1V, 8Ma/dc.
- 5.PRI./SEC.Cw/w(pF TYP):20
- 6.TX/RCVL/L (uH MAX.): 0.4
- 7.PRI.DCR (OHM MAX.): TX: 0.9; RX: 0.9
- 8.CROSS TALK (dB Min.): -38AT 1 MHz-100 MHz
- 9.CMRR (dB MIN.): -40 @1MHz - 100 MHz
- 10.RETURN LOSS (dB MIN.):
0.5-30MHz 40MHz 50MHz 60-80MHz
-18 -15.5 -13.0 -12
- 11.INSERTION LOSS (dB MAX): -1.1 AT 1-100MHz
- 12.RISE TIME (ns TYP): 2.5

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



Suggest pad layout

TOLERANCE: ±0.25

