

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN/:40ST1041G DATA SHEET

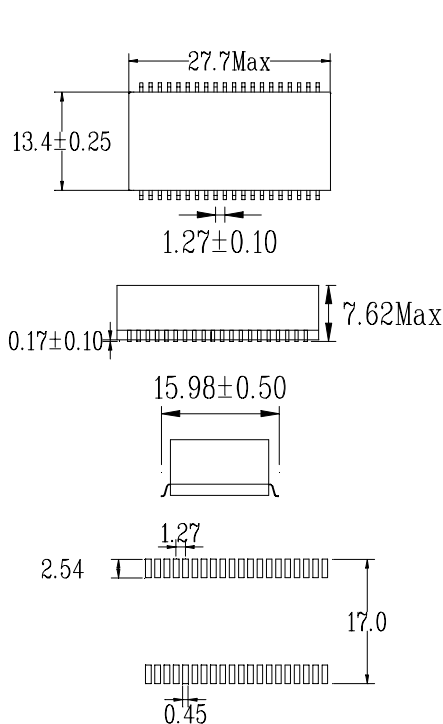
A.GENERAL SPECIFICATIONS

- 1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX
- 2.SURFACE MOUNTABLE
- 3.DESIGN FOR MULTIPORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION
- 4.CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION

B.ELECTRICAL SPECIFICATIONS @25°C

- 1.ISOLATION HI-POT: 1500 Vrms (PRI. /SEC.)
- 2.TURN RATIO ($\pm 5\%$): TX=1CT: 1CT, RX=1:1
- 3.RISE TIME: 0.25 ns TYP
- 4.CW/W: 28pF MAX
- 5.LEAKAGE INDUCTANCE TX=0.4uH Max
- 6.PRIMARY INDUCTANCE Lp: 350uH min @100KHz/100mVrms, 8mA/dc
- 7.CMRR (0.1-100 MHz): -40dB Min
- 8.CROSSTALKS (0.1 TO 100MHz): -38dB Min
- 9.RETURN LOSS: 5-30 MHz 30-60 MHz 60- 80 MHz
 -16dB -12dB -10 dB (Min)
- 10.OCL (uH,Min):350 uH, at 8mA DC FROM 0-70°C
- 11.DCR: 0.9 Max
- 12.INSERTION LOSS (1-100 MHz): -1.15dB Max

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



Suggest pad layout

TOLERANCE: ± 0.25

