

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

## PN:40ST1041D DATA SHEET

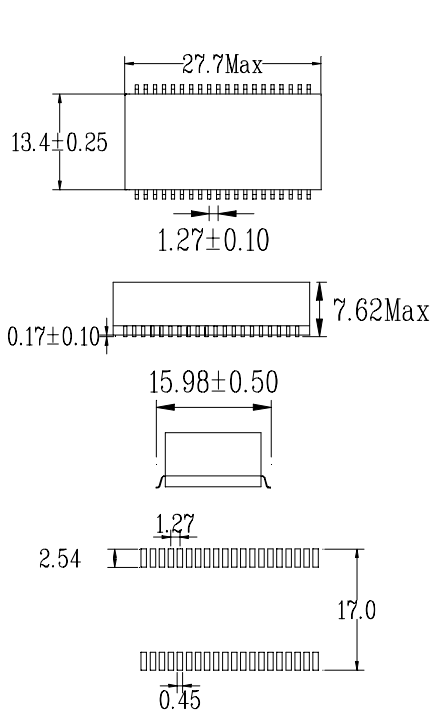
### A.GENERAL SPECIFICATIONS

- 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: 2.5 ns TYP
- 4.CW/W: 28 pF MAX
- 5.LEAKAGE INDUCTANCE (1MHz): 0.45uH Max
- 6.CMRR (0.1-100 MHz): -37dB MIN
- 7.RETURN LOSS (MIN): 5-30 MHz      30-60 MHz      60 -80MHz  
                                  -16dB                    -12dB                    -10 dB
- 8.CROSSTALKS (0.1 TO 100MHz): -38dB Min
- 9.OCL (uH,Min):350 uH, at 8mA/dc FROM 0-70°C
- 10.DCR: 0.9 Max
11. INSETION LOSS (1MHz-100MHz): -1.1 dB Max

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



Suggest pad layout  
TOLERANCE:  $\pm 0.25$

