

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN/:40ST1076 DATA SHEET

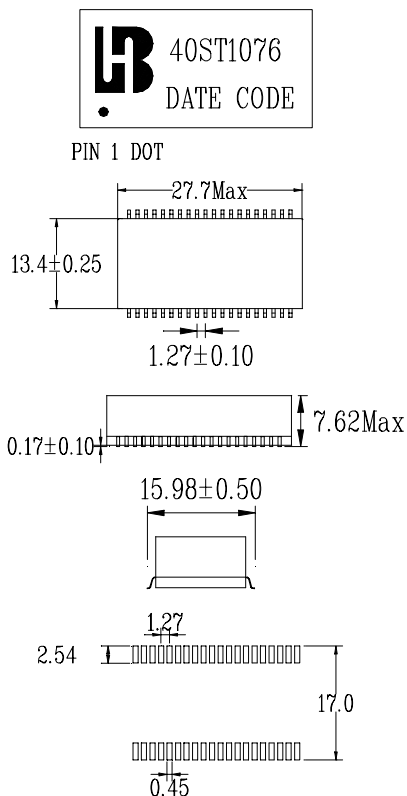
A.GENERAL SPECIFICATIONS

- 1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX
- 2.SURFACE MOUNTABLE
- 3.DESIGN FOR MULTI-PORT 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=2CT: 1CT, RX=1:1
- 3.INSETION LOSS (dB Max):
TRANSMIT 1-60 MHz -1.0dB Max
RECEIVE 1-60 MHz -1.0 dB Max
- 4.RETURN LOSS: 5-30 MHz 30-60 MHz 60-80 MHz
-16dB -12dB -10 dB (Min)
5. CROSSTALKS: 30 MHz 60 MHz 100 MHz
-35dB -40dB -30dB (Min)
- 6.OCL (uH,Min):350uH, at 8mA/dc FORM 0-70°C
- 7.DIFFERENTIAL TO COMMON MODE REJECTION:
30 MHz 60 MHz 100 MHz 200 MHz
-42dB -32dB -33dB -25dB (Min)

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



Suggest pad layout

TOLERANCE: ± 0.25

