

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

## **P/N:40ST1022 DATA SHEET**

### **A.GENERAL SPECIFICATIONS:**

- 1.40-PIN SMD PACDAGE & 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 SPECIFICAIONS AT 25°C:**

- 1.PRI./SEC.ISOLATION:1500 Vrms.
- 2.INSULATION RESISTANCE: 10,000 MOHM.
- 3.TURN RATIO: TX: 2CT: 1CT; RX: 1CT:1 CT(+/-5%)
- 4.PRI.OCL (uH MIN.): TX & RX: 350AT 100 KHz/0.1Vrms, 8mA DC.
- 5.PRI./SEC.Cw/w(pF TYP.):28
- 6.TX/RX L/L (uH MAX.): 1.2/0.4
- 7.PRI.DCR (OHM MAX.): TX: 0.9;RX: 0.9
- 8.CROSS TALK: (dB MIN.): -38AT0.1 MHz-100MHz.
- 9.CMRR (dB MIN): -40 AT0.1MHz TO 100 MHz.
- 10.RETURN LOSS (dB MIN):
 

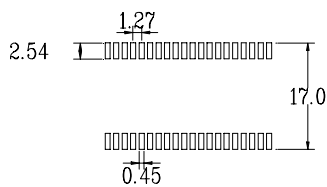
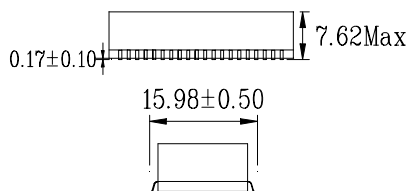
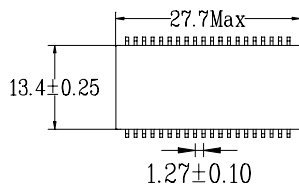
0.5-30MHz	40MHz	50MHz	60-80MHz
-18	-15.5	-13.6	-12
- 11.INSERTION LOSS (dB MAX.):
 

-1.1AT 1-100MHz
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### **C. SCHEMATIC & DIMENSIONS & MARKING (UNIT mm):**



PIN 1 DOT



Suggest pad layout  
TOLERANCE: ±0.25

