

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN:40ST1041S DATA SHEET

A. GENERAL SPECIFICATIONS

1. 40-PIN SMD PACKAGE COMPATIBLE WITH BROADCOM, NS, TMI, DAVICOM CHIPS.
2. DESIGNED FOR MULTI-PORT REPEATER AND SWITCHED ETHERNET APPLICATIONS UTILIZING SINGLE RJ-45 CONNECTORS.
3. OPERATING TEMP RANGE: 0°C TO +70°C
4. STORAGE TEMP RANGE: -25°C TO +125°C

B. ELECTRICAL SPECIFICATIONS AT 25°C

1. PRI./SEC.ISOLATION: 1500 Vrms
2. INSULATION RESISTANCE: 10,000 M OHM.
3. TURN RATIO: TX=1 CT: 1CT, RX=1:1(+/-5%).
4. PRI.OCL: TX & RX: 350uH MIN AT 100 KHz/0.1V, 8mA DC.
5. PRI. /SEC.Cw/w (pF MAX.): 28
6. TX/RXV L/L (uH MAX.): 0.5/0.5
7. PRI DCR (OHM MAX.): TX: 0.9;RX: 0.9
8. CROSS TALK (dB MIN): -38 AT 1 MHz-100 MHz.
9. CMRR (dB TYP.): -40 AT 1MHz TO 100 MHz.
10. DCR: 0.9Ω MAX
11. INSERTION LOSS (1MHz-100MHz): -1.15dB Max
12. RETURN LOSS (dB Min) 1MHz-10MHz 10-30MHz 30-60MHz 60-80MHz
 -20 -18 -14 -12

C. SCHEMATIC & DIMENSIONS & MARKING (UNIT mm)

