

10 BASE-T, SMD ETHERNET TRANSFORMER

P/N:TS6121B DATA SHEET

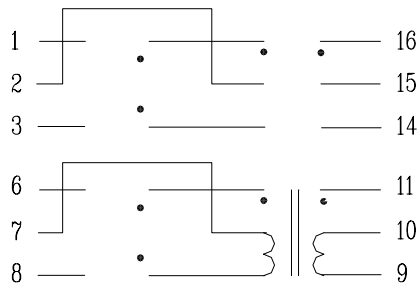
A. CHARACTERISTICS DESCRIPTION:

1. 16 PIN SMD SURFACE MOUNT PACKAGE.
2. DUAL CHANNEL LOW COST.
3. OPERATING TEMPERATURE RANGE: 0°C TO +70°C

B. ELECTRICAL SPECIFICATIONS: (@ 25° C)

1. TURNS RATIO: TX (16-14:1-3) = 1.25CT: 1 CT, RX (6-8:11-9) = 1CT: 1CT ±5%
2. PRIMARY OCL (TX & RX): 350 uH MIN@ 100 KHz/0.1 Vrms, 8mA DC
3. INTERWINDING CAPACITANCE CW/W: 25 pF MAX
4. LEAKAGE INDUCTANCE: 0.5 uH MAX
5. DC RESISTANCE PR1 (RX & TX): 0.9 OHM MAX
6. Hi-POT ISOLATION: 1500Vrms MIN @ 0.5 mA
7. CROSSTALK (0.1-100MHz): -38dB MIN
8. RETURN LOSS (dB Min): 0.5-30 MHz 40MHz 50MHz 60-80MHz
 -18 -15.5 -13.6 -12
9. CMRR (0.1-100 MHz): -40 dB Min
10. INSERTION LOSS (1MHz~100MHz): -1.15dB Max

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



PIN 1 DOT

