

10 BASE-T SMD ETHERNET TRANSFORMER
P/N: TS7013B DATA SHEET

A. GENERAL SPECIFICATIONS:

1. 16 PIN SMD PACKAGE TO COMPLIANT WITH IEEE 802.3 STANDARD.
2. WITH COMMON CHOKE TO MEET FCC CLASS B & CISPR B.
3. MODEL IS AVAILABLE TO INTERFACE WITH 10 BASE-T TRANSCEIVERS.
4. COMPATIBLE WITH IR OVEN PROCESSES.
5. OPERATING TEMPERATURE RANGE: 0°C TO +70°C
6. STORAGE TEMP RANGE: -25°C TO + 125°C

B. ELECTRICAL SPECIFICATIONS: (@ 25°C)

1. TURNS RATIO (±3%): 1-3:16-14=1CT: 1CT; 6-8/11-9: =1CT: 2.5CT.
2. PRIMARY OCL: 150µH MIN PIN1-3 & 6-8
3. PRI/SEC C w/w: 17 pF Max. PIN1 to 16 & 20 pF Max PIN 6 to 11
4. LEAKAGE INDUCTANCE: 0.50µH Max PIN (1-3) with (16-14) shorted
5. LEAKAGE INDUCTANCE: 0.60µH Max PIN (6-8) with (11-9) shorted
6. DCR PIN (1-3), (6-8): 1.0 Ω Max.
7. DCR PIN (16-14), (11-9): 1.1 Ω Max.
8. HI-POT: 1500 Vrms/0.5mA 1Sec.

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

