

10 BASE-T SMD ETHERNET TRANSFORMER

P/N: TS7012 DATA SHEET

A. GENERAL SPECIFICATIONS

1. 16PIN, SMD PACKAGE TO COMPLIANT WITH IEEE 802.3 STANDARD.
2. MODEL IS AVAILABLE TO INTERFACE WITH 10 BASE-T TRANSCEIVERS.
3. COMPATIBLE WITH IR OVEN PROCESSES.
4. OPERATING TEMP RANGE: 0°C TO +70°C.
5. STORAGE TEMP RANGE: -25°C TO +125°C.

B. ELECTRICAL SPECIFICATIONS @ 25°C

1. TURN RATIO: TX (1-3/16-14)=1.41CT: 1CT; RX (6-8/11-9)=1CT: 1CT
2. PRIMARY OCL: 1-3&9-11=175uH MIN (AT 100KHz/0.2V)
3. PRI/SEC Cw/w: 20 pF MAX.
4. PRI/SEC LEAKAGE INDUCTANCE: 0.30 uH MAX
5. PRIMARY DCR: 0.90 OHM MAX
6. HI-POT TEST: 1500 Vrms

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

