

# 10 BASE ETHERNET COUPLING TRANSFORMER

## P/N:TS140B DATA SHEET

### A. GENERAL SPECIFICATIONS

1. LOW PROFILE PACKAGE 16 PIN SMD PACKAGE TO MEET IEEE802.3 & 10BASE-T SPECIFICATION .
- 2.LOK LEAKAGE INDUCTANCE AND WINDING CAPACITANCES FOR FAST RISE TIME.
- 3.HIGH ISOLATION VOLTAGES TO COMPLY WITH INTERNATIONAL SAFETY REQUIREMENTS FOR LANS.
4. OPEATING 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:1CT:1CT;RX:1CT:1CT.
- 2..PRIMARY INDUCTANCE(uH MIN.):140
- 3.PRI/SEC C w/w.:12 pF MAX
- 4..PRI/SEC LEAKAGE INDUCTANCE(uH MAX):0.30
- 5.HI-POT (Vrms):1500 Vrms
- 6.RISE TIME:5 nS MAX.

### C. SCHEMATICS & DIMENSIONS & MARKING(UNIT mm):

