

10 BASE ETHERNET COUPLING TRANSFORMER

P/N: TA140B DATA SHEET

A. GENERAL SPECIFICATIONS

1. LOW PROFILE PACKAGE 16 PIN SMD PACKAGE TO MEET IEEE802.3 & 10BASE-T SPECIFICATION.
2. LOW LEAKAGE INDUCTANCE AND WINDING CAPACITANCES FOR FAST RISE TIME.
3. HIGH ISOLATION VOLTAGES TO COMPLY WITH INTERNATIONAL SAFETY REQUIREMENTS FOR LANS.
4. OPERATING TEMP RANGE: 0°C TO $+70^{\circ}\text{C}$.
5. STORAGE TEMP RANGE: -25°C TO $+125^{\circ}\text{C}$.

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):

