

# 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. 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):

