

**ISOLATION TRANSFORMER FOR 10 BASE-T**

**P/N: TS7010A DATA SHEET**

**Feature**



- Designed to meet or exceed IEEE 802.3, 10 BASE-T specifications
- Available with common mode choke for EMI suppression
- Surface mount, IC grade, transfer-molded package withstands 235°C peak temperature profile
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

| Electrical Specifications @ 25°C |  |              |  |                                     |               |
|----------------------------------|--|--------------|--|-------------------------------------|---------------|
| Part Number                      | Turns Ratio(±5%)                               |              | Sine wave Inductance OCL(uH Min)<br>@ 100KHz/0.2Vrms | CWW<br>(pF Max)<br>@ 100KHz/0.2Vrms |               |
|                                  | (1-3):(16-14)                                  | (6-8):(11-9) |  |                                     | (1-3) & (6-8) |
| TS7010A                          | 1CT: 1CT                                       | 1CT:1.414CT  | 200  | 12                                  |               |
| Continue                         |  |              |  |                                     |               |
| Part Number                      | Leakage Inductance(uH Max)<br>@ 100KHz/0.2Vrms |              | DCR( Ω Max)  | Primary pins                        | HI-POT (Vrms) |
| TS7010A                          | 0.5  |              | 0.5  | (1-3) & (6-8)                       | 2000          |

**Schematic**

**Mechanical**

