

# 10 BASE-T SMD TRANSFORMER & CHOKE

## P/N:TS7010M DATA SHEET

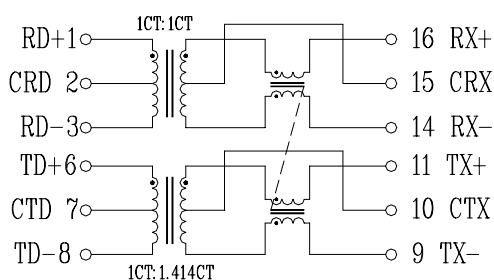
### Feature

- Meets IEEE 802.3 standard.
- Supports most 10Base –T transceivers.
- High isolation voltage.
- Transfer-molded package withstands aggressive reflow soldering process.
- Low-profile package.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C.

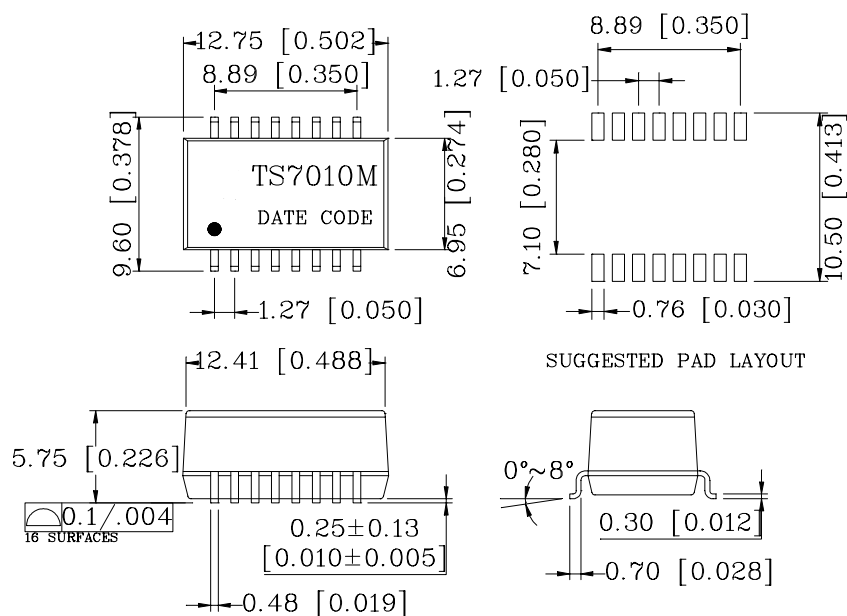
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio                                    |                     | OCL<br>(uH Min)@10KHz,0.02Vrms | L.L<br>(uH Max)@1MHz,0.02Vrms<br>TX/RX |  |
|-------------|--|---------------------|--------------------------------|--|--|
|             | TX   | RX                  |                                |  |  |
| TS7010M     | 1CT:1.414CT                                    | 1CT: 1CT            | 200                            | 0.55/0.40                              |  |
| Continue    |  |                     |                                |  |  |
| Part Number | C <sub>w/w</sub><br>(pF Max)<br>@1MHz,0.02Vrms | DCR<br>(Ω Max)@25°C | HI-POT<br>(Vrms)@60Hz,1s       | PRI Pins                               |  |
| TS7010M     | 20   | 0.90                | 1500                           | (1-3)&(6-8)                            |  |

### Schematic



### Mechanical



SUGGESTED PAD LAYOUT

Units: mm [Inches] Tolerance: xx.x0±0.25 [0.010]  
0.xx±0.05 [0.002]