

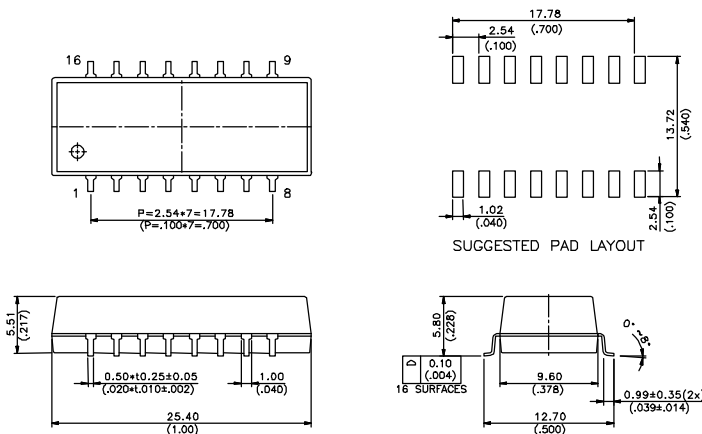
**Feature**

- ◆ 1:1 transmit Turns Ratios Compatible with Broadcom, ICS, Intel, Kendin, Level, One, lucent, National Semiconductor, SEEQ and TDK Transceivers
- ◆ Meets all IEEE 802.3 and ANSI X3.263 standards including 350  $\mu$ H OCL with 8 mA DC Bias
- ◆ Designed to meet IR 235°C peak requirement.

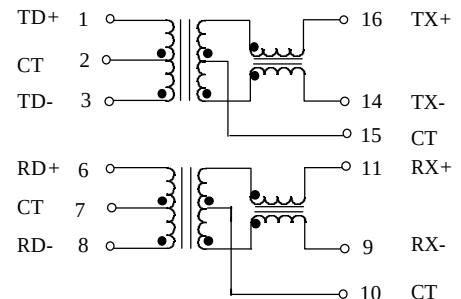
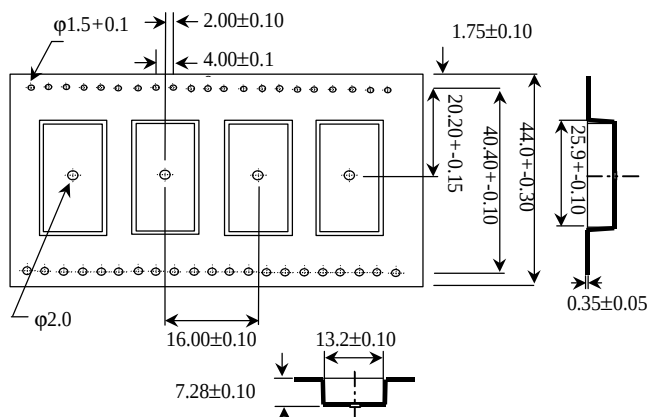
**Specifications : @ 25°C**

| Parameter         | Condition              | Min. | Typ.      | Max  | Unit    |
|-------------------|------------------------|------|-----------|------|---------|
| Inductance        | Pin(16-14) & Pin(11-9) | 350  |           |      | $\mu$ H |
| Turn Ratio        | Pin(1-3):(16-14)       |      | 1CT : 1CT |      |         |
|                   | Pin(6-8):(11-9)        |      | 1CT : 1CT |      |         |
| Insertion Loss    | @1-100MHz              |      |           | -1.0 | dB      |
| Return Loss       | @1-30MHz               | -22  |           |      | dB      |
|                   | @40MHz                 | -20  |           |      | dB      |
|                   | @50MHz                 | -18  |           |      | dB      |
|                   | @60-80MHz              | -12  |           |      | dB      |
| Cross Talk        | @30MHz                 |      | -50       |      | dB      |
|                   | @60MHz                 |      | -40       |      | dB      |
|                   | @100MHz                |      | -40       |      | dB      |
| CMRR              | @30MHz                 | -45  |           |      | dB      |
|                   | @60MHz                 | -40  |           |      | dB      |
|                   | @100MHz                | -35  |           |      | dB      |
| Voltage Isolation |                        | 1500 |           |      | Vrms    |

Note 1: measured at 8mAdc over operating temperature 0~70°C

**Dimension**


Unless otherwise specified , all tolerances are mm(inch)  $\pm$  0.25(0.01)

**Schematic**

**Tape & Reel Applications**


Weight ....3.0 grams typical  
Tape & reel ... ....500/reel  
Tube ... ..19/tube