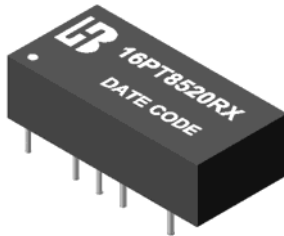


**Bothhand USA    email:sales@bothhandusa.com    http://www.bothhandusa.com**  
**10/100 BASE-T TRANSFORMER**  
**P/N:16PT8520RX DATA SHEET**

**Feature**



- Operating Temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

**Electrical Specifications @ 25°C**

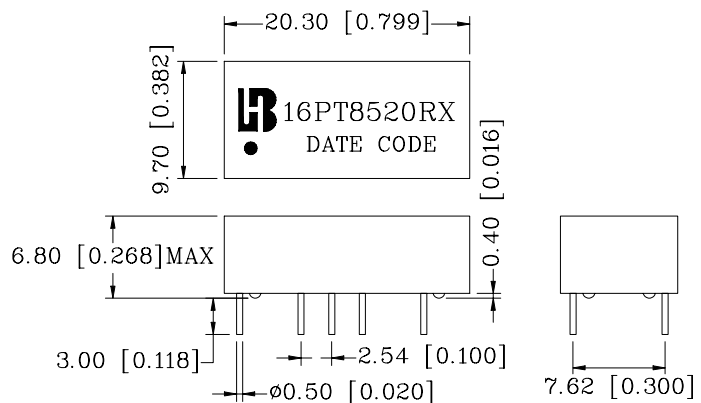
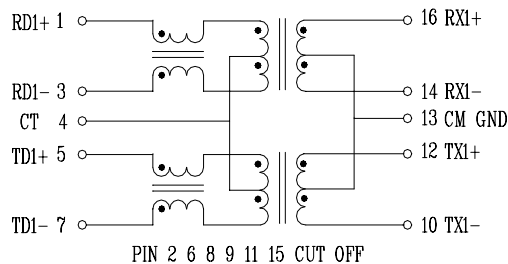
| Part Number | Turns Ratio (±5%) |         | OCL (uH Min)<br>@ 100KHz/0.1Vrms<br>with 8mA/DC Bias | C <sub>W/W</sub><br>(pF Max) | L.L<br>(uH Max) | Rise Time<br>(10-90%)<br>nS TYP | HI-POT<br>(Vrms) |
|-------------|-------------------|---------|------------------------------------------------------|------------------------------|-----------------|---------------------------------|------------------|
|             | TX                | RX      |                                                      |                              |                 |                                 |                  |
| 16PT8520RX  | 1CT:1CT           | 1CT:1CT | 350                                                  | 56                           | 0.4             | 2.5                             | 1500             |

**Continue**

| Part Number | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |       |       |       |       | Cross talk<br>(dB Min) | DCMR<br>(dB Min) TX/RX |
|-------------|----------------------------|-------------------------|-------|-------|-------|-------|------------------------|------------------------|
|             | 0.3-100 MHz                | 30MHz                   | 40MHz | 50MHz | 60MHz | 80MHz | 0.3-100MHz             | 0.3-100MHz             |
| 16PT8520RX  | -1.15                      | -16                     | -14   | -13.5 | -13   | -12   | -35                    | -30                    |

**Schematic**

**Mechanical**



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