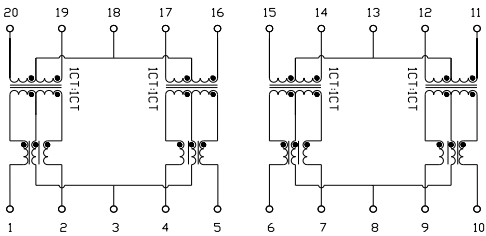
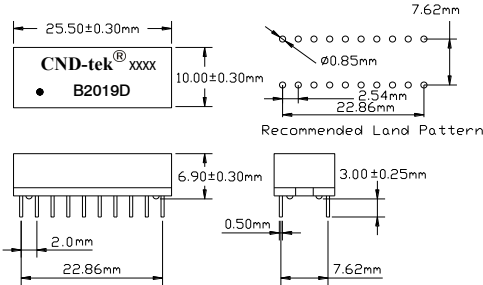


1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3ab standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA
3. Double channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
4. Available in Through Hole package.
5. Operating Temperature range:  $0^{\circ}\text{C}$  TO  $+70^{\circ}\text{C}$
6. Storage temperature range:  $-25^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$



**DIMENSIONS & SCHEMATICS**

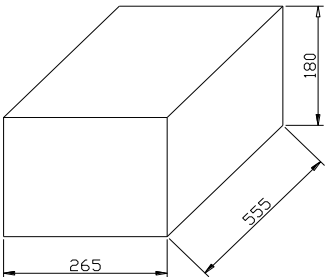
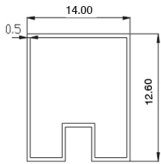
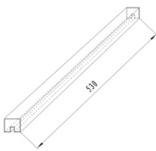


**Note:** 1、Dimension: mm, 2.Unless otherwise specified,tolerances are:  $\pm 0.15\text{mm}$

**TECHNICAL SPECIFICATIONS**

|                           |                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| OCL :                     | $350\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias                                                             |
| Leakage Inductance:       | $0.5\mu\text{H}$ Max. @ 100KHz, 0.1V                                                                                |
| Cw/w:                     | 56F Max. @ 100KHz, 0.1V                                                                                             |
| DCR:                      | $1.20\Omega$ Max.                                                                                                   |
| Turns Ratio( $\pm 5\%$ ): | 1CT:1(TX), 1CT:1(RX)                                                                                                |
| Polarity:                 | 1-20, 4-17, 6-15, 9-12 In-Phase                                                                                     |
| Insertion Loss:           | -1.1 dB Max. (TX & RX)@ 1-100 MHz                                                                                   |
| Return Loss:              | -18 dB Min @ 0.5-30MHz<br>-15 dB Min @ 40 MHz<br>-13 dB Min @ 60 MHz<br>-11 dB Min @ 80 MHz<br>-10 dB Min.@ 100 MHz |
| Cross Talk:               | -45 dB Min.@ 30 MHz<br>-40 dB Min.@ 60 MHz<br>-35 dB Min.@ 100 MHz                                                  |
| Common Mode Rejection :   | -43 dB Min.@ 1-30 MHz<br>-37 dB Min.@ 60 MHz<br>-33 dB Min.@ 80-100 MHz                                             |
| Isolation HI-POT:         | 1500Vrms 1mA 1Second                                                                                                |

**PACKING SPECIFICATION**



1. units/reel:24PCS
2. reel/carton:280PCS
- 3.units/carton :6720PCS