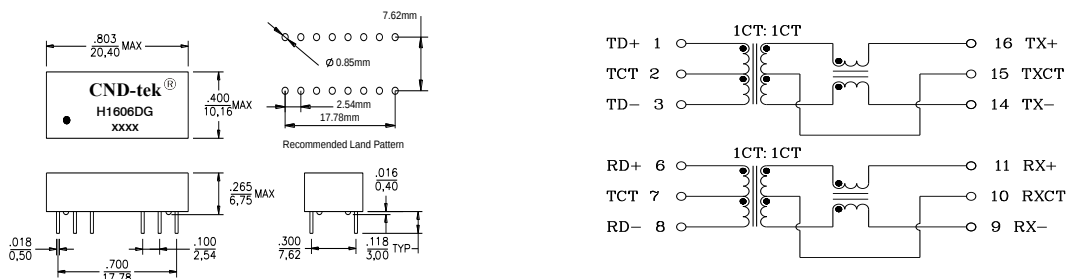


1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3ab standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA
3. Single channel interface for 10/100Mbps Ethernet applications 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

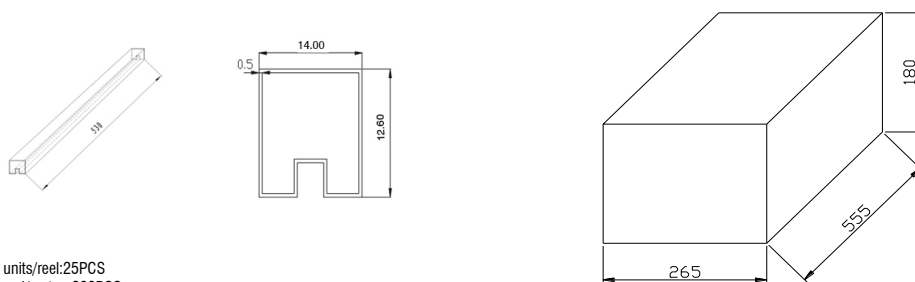


**Note:** 1、Dimension: mm; 2.Unless otherwise specified,tolerances are:  $\pm 0.15\text{mm}$ ; 3、Cut 4、 5、 12、 13 PIN

## TECHNICAL SPECIFICATIONS

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| OCL :                     | 350 $\mu\text{H}$ Min. @ 100 KHz, 100mV with 8mA DC Bias |
| Leakage Inductance:       | 0.5 $\mu\text{H}$ Max. @ 100KHz, 0.2V                    |
| Cw/w:                     | 28F Max. @ 100KHz, 0.2V                                  |
| DCR:                      | 1.20 $\Omega$ Max.                                       |
| Turns Ratio( $\pm 5\%$ ): | 1CT:1(TX), 1CT:1(RX)                                     |
| Polarity:                 | 1-16, 6-11 In-Phase                                      |
| Insertion Loss:           | -1.1 dB Max. (TX & RX)@ 1-100 MHz                        |
| Return Loss:              | -18 dB Min @ 0.5-30MHz                                   |
|                           | -15 dB Min @ 40 MHz                                      |
|                           | -13 dB Min @ 60 MHz                                      |
|                           | -11 dB Min @ 80 MHz                                      |
|                           | -10 dB Min.@ 100 MHz                                     |
| Cross Talk:               | -45 dB Min.@ 30 MHz                                      |
|                           | -40 dB Min.@ 60 MHz                                      |
|                           | -35 dB Min.@ 100 MHz                                     |
| Common Mode Rejection :   | -43 dB Min.@ 1-30 MHz                                    |
|                           | -37 dB Min.@ 60 MHz                                      |
|                           | -33 dB Min.@ 80-100 MHz                                  |
| Isolation HI-POT:         | 1500Vrms 1mA 1Second                                     |

## PACKING SPECIFICATION



1. units/reel:25PCS
2. reel/carton:280PCS
- 3.units/carton :7000PCS