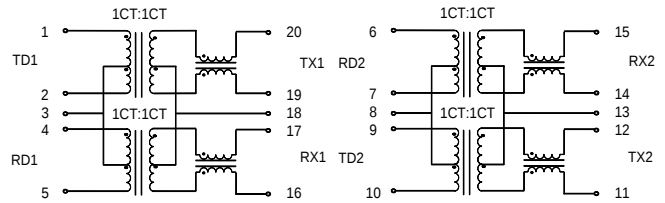
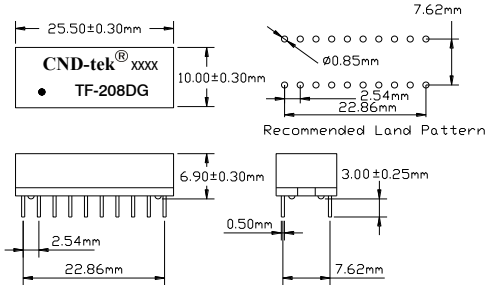


1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3 standard including baseline wander compensation specification of  $350\mu\text{H}$  OCL when Biased at 8mA from  $0^\circ\text{C}$  to  $70^\circ\text{C}$
3. Double channel 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

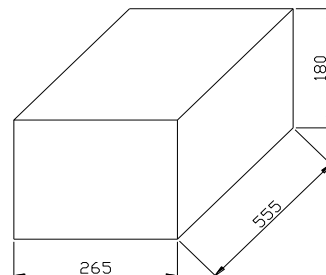
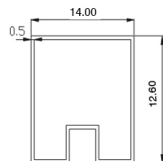
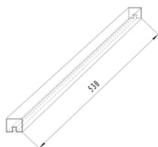


**Note:** 1、Dimension: mm, 2.Unless otherwise specified,tolerances are:  $\pm 0.05\text{mm}$

## 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                                  |
|                           | -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:20PCS
- 2.reel/carton:280PCS
- 3.units/carton :5600PCS