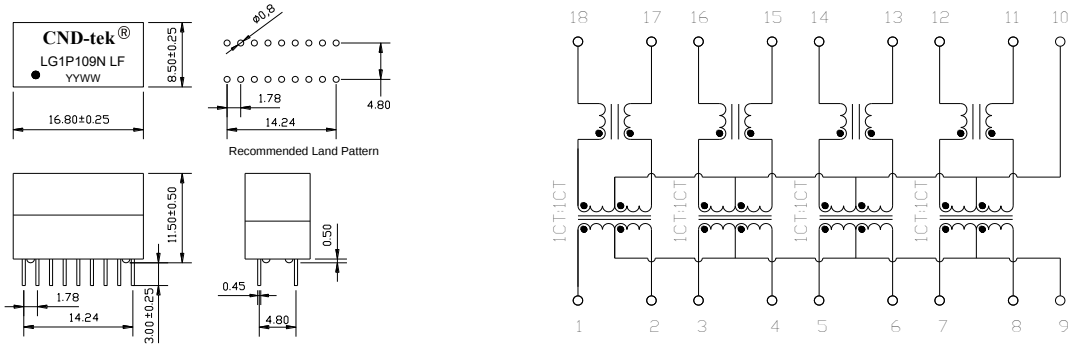


- 1. Designed for long haul Gigabit Ethernet 1000 Base-T, full duplex applications.
- 2. Supports four pairs of category 5 UTP cable.
- 3. Cable interface for isolation and low common mode emissions
- 4. Compliant with IEEE 802.3ab standard for 1000 Base-T
- 5. Operating Temperature range: 0 °C TO +70 °C
- 6. Storage temperature range: -25 °C TO +125 °C



DIMENSIONS & SCHEMATICS

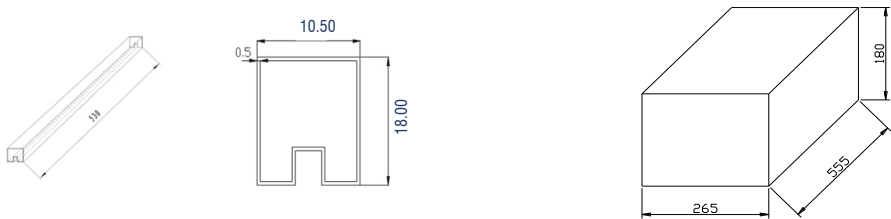


**Note:** 1、Dimension: mm; 2.Unless otherwise specified,tolerances are: ± 0.25mm;

TECHNICAL SPECIFICATIONS

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| OCL :                   | 350 $\mu$ H Min. @ 100 KHz, 100mV with 8mA DC Bias |
| Leakage Inductance:     | 0.5 $\mu$ H Max. @ 100KHz, 0.1V                    |
| Cw/w:                   | 112pF Max. @ 100KHz, 0.1V                          |
| DCR:                    | 1.20 $\Omega$ Max.                                 |
| Turns Ratio( $\pm$ 5%): | 1CT:1(TX), 1CT:1(RX)                               |
| Polarity:               | 1-18, 3-16, 5-14, 7-12 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:30PCS
- 2. reel/carton:120PCS
- 3.units/carton :3600PCS