CND-tek
磁联达

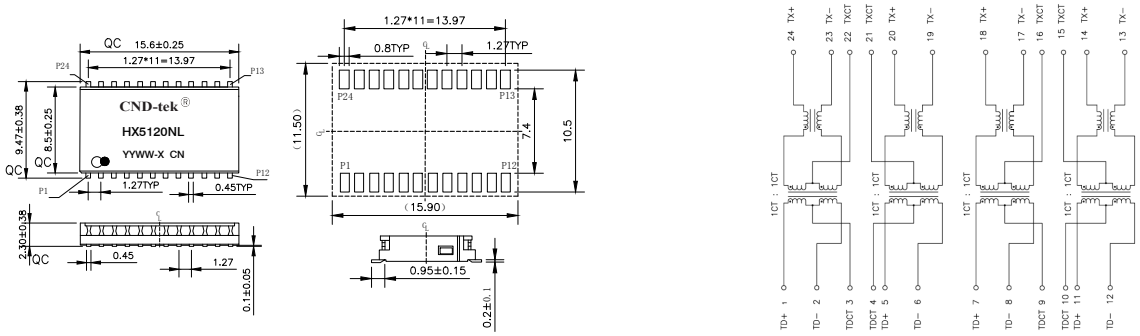
HX5120NLTP

EN

100/1000M Single Port Transformer Module

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-Tesigned to support 1:1 Turns Ratio Transceivers.
5.Operating Temperature range: -40℃ TO +85℃
6.Torage temperature range: -50℃ TO +125℃

DIMENSIONS & SCHEMATICS

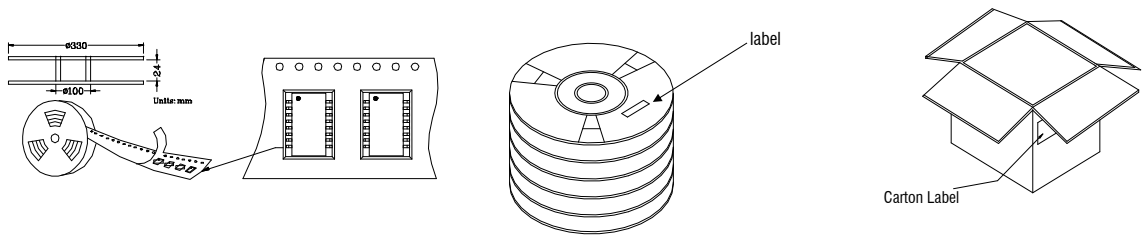


Note: 1、Dimension：inches/mm, 2.Unless otherwise specified,tolerances are: 0.15mm

TECHNICAL SPECIFICATIONS

OCL :	350 μH Min. @ 100 KHz, 100mV with 8mA DC Bias
Leakage	0.5 μH Max. @ 100KHz, 0.1V
Inductance: Cw/w:	25pF Max. @ 100KHz, 0.1V
DCR:	1.00 Ω Max.
Turns Ratio(±2%):	1CT:1CT
Polarity:	1-24, 4-20, 7-18, 10-14 In-Phase
Insertion Loss:	-1.2 dB Max. @ 0.1MHz $-0.2-0.002*f^{1.4}$ dB Max@ 1-125MHz
Return Loss:	-16 dB Min.@ 1-40 MHz $-10+20*\log_{10}(f/80)$dB Min@ 40-100 MHz
Cross Talk:	-50dB Min. @ 1MHz $-55+22*\log_{10}(f/10)$dB Min@ 10-100 MHz
Common Mode Rejection :	-42dB Min.@ 2MHz $-15+20*\log_{10}(f/200)$dB Min@ 30-200 MHz
Isolation HI-POT:	1500Vrms 1mA 60Second

PACKING SPECIFICATION



1. units/reel:1100PCS
2. reel/carton:5PCS
3. units/carton :5500PCS

EXPORT CARTON:367(L)x337(W)x235(H)