CND-tek
磁联达

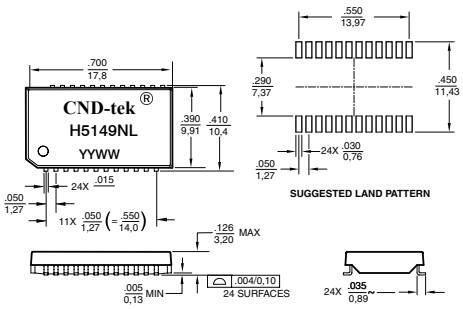
H5149NL T-CND

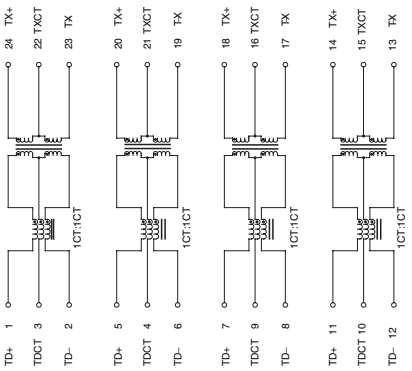
EN

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. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Compliant with IEEE 802.3ab standard for 1000 Base-T
5. Designed to support 1:1 Turns Ratio Transceivers.
6. Operating Temperature range: -40℃ TO +85℃
7. Storage temperature range:: -40℃ TO +125℃

DIMENSIONS & SCHEMATICS



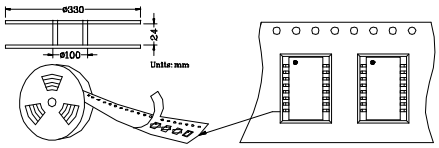


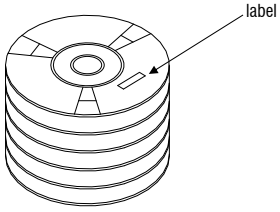
Note: 1、Dimension：mm/inch, 2.Unless otherwise specified,tolerances are: ±0.25mm

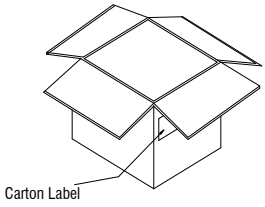
TECHNICAL SPECIFICATIONS

OCL :	350 μH Min. @ 100 KHz, 100mV
Leakage	0.5 μH Max. @ 100KHz, 0.1V
Inductance: Cw/w:	28pF Max. @ 100KHz, 0.1V
DCR:	1.20 Ω Max.
Turns Ratio(±5%):	1CT:1CT(TX), 1CT:1CT(RX)
Insertion Loss:	-1.0 dB Max. @ 1-100MHz
Return Loss:	-18 dB Min. @ 1-30MHz -16 dB Min. @ 40-50 MHz -12dB Min.@ 60-80 MHz -10dB Min.@ 100 MHz
Cross Talk:	-45dB Min.@ 30 MHz -40 dB Min.@ 60 MHz -35 dB Min.@ 100 MHz
Common Mode Rejection :	-43dB Min.@ 30 MHz -37 dB Min.@ 60 MHz -33 dB Min.@ 100 MHz
Isolation HI-POT:	1500Vrms

PACKING SPECIFICATION







1. units/reel:400PCS
2. reel/carton:5PCS
3. units/carton :2000PCS

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