CND-tek
磁联达

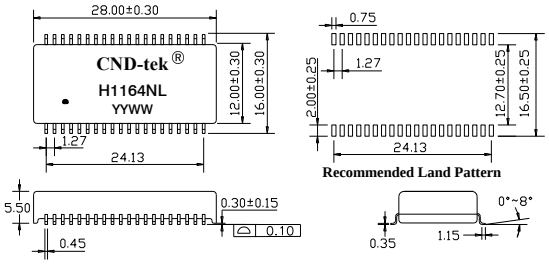
# H1164NLTP-CND

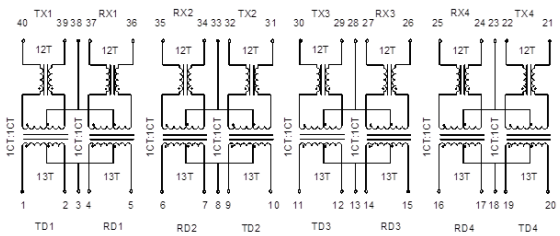
EN

10/100M Quad Port Transformer Module

1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compatible with IEEE 802.3ab and ANSI X3.236 standard including baseline wander compensation specification of 350$\mu$H OCL when Biased at 8mA
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Various Pinout options available for Optimal Printed Board(Single and Double Stacked RJ45) layout.
5. Operating Temperature range: -40℃ TO +85℃
6. Storage temperature range: -40℃ TO +125℃

## DIMENSIONS & SCHEMATICS



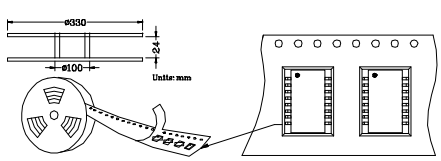



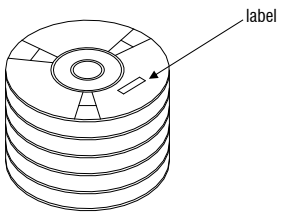

**Note**：1、Dimension：mm, 2.Unless otherwise specified,tolerances are: ±0.15mm

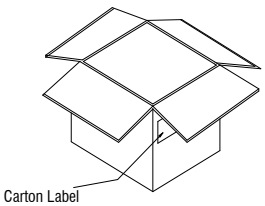
## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| OCL : | 350 $\mu$H Min. @ 100 KHz, 100mV with 8mA DC Bias |
| Leakage | 0.5 $\mu$H Max. @ 100KHz, 0.1V |
| Inductance: Cw/w: | 56pF Max. @ 100KHz, 0.1V |
| DCR: | 1.20 Ω Max. |
| Turns Ratio(±5%): | 1CT:1CT(TX), 1CT:1CT(RX) |
| Polarity: | 1-40, 4-37, 6-35, 9-32, 11-30, 14-27, 16-25, 19-22 In-Phase |
| Insertion Loss: | -1.1 dB Max. @ 1-100MHz |
| Return Loss: | -16dB Min. @ 1-30MHz<br>-12 dB Min. @ 30-60 MHz<br>-10 dB Min.@ 60-80 MHz |
| Cross Talk: | -42 dB Min.@ 1-60 MHz<br>-35 dB Min.@ 60-100 MHz |
| Common Mode Rejection : | -40 dB Min.@ 1-30 MHz<br>-35 dB Min.@ 60 MHz<br>-30 dB Min.@ 80-100 MHz |
| Isolation HI-POT: | 1500Vrms 1mA 1Second |

## PACKING SPECIFICATION




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

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