CND-tek
磁联达

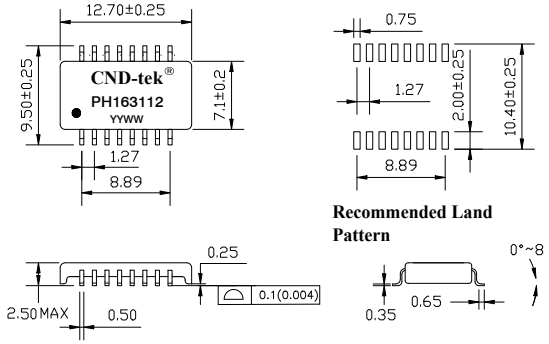
PH163112 T-CND

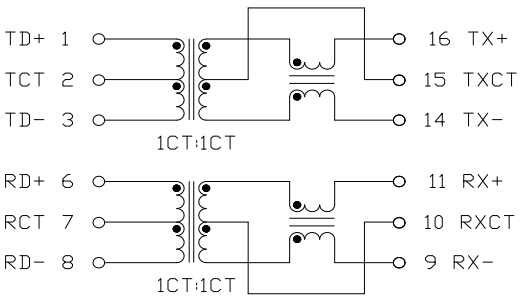
EN

10/100M Single Port Transformer Module

1. Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
2. Compliant with IEEE 802.3u standard including baseline wander compensation specification of 350μH OCL
3. Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process
4. Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
5. Operating Temperature range: 0℃ TO +70℃
6. Storage temperature range: -25℃ TO +125℃

DIMENSIONS & SCHEMATICS



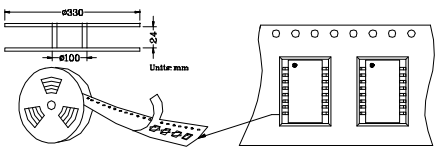


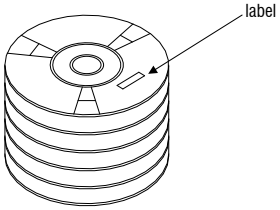
Note：1、Dimension：mm, 2.Unless otherwise specified,tolerances are: ±0.25mm

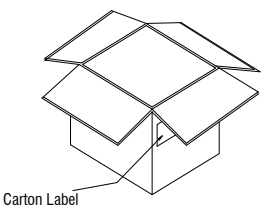
TECHNICAL SPECIFICATIONS

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)
Polarity:	1-16, 6-11 In-Phase
Insertion Loss:	-1.1 dB Max. @ 1-100MHz
Return Loss:	-16dB Min. @ 1-30MHz -12 dB Min. @ 30-60 MHz -10 dB Min.@ 60-80 MHz
Cross Talk:	-42 dB Min.@ 1-60 MHz -35 dB Min.@ 60-100 MHz
Common Mode Rejection :	-42 dB Min.@ 1-30 MHz -35 dB Min.@ 60 MHz -30 dB Min.@ 80-100 MHz
Isolation HI-POT:	1500Vrms 1mA 1Second

PACKING SPECIFICATION







1. units/reel:2000PCS
2. reel/carton:5PCS
3. units/carton :10000PCS

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