

# Specification for Approval

## 产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSM24015N0

Version No.:

V0.1

Description:

10G BASE-T

Laser Marking

| SUZHOU VOOHU Company Approval |               | Customer Approval<br>(客户承认签章) |
|-------------------------------|---------------|-------------------------------|
| DRAWN                         | Geoffrey.Song |                               |
| CHECKED                       | Sunny.Xu      |                               |
| APPROVED                      | Elvis. Song   |                               |
| 日期DATE:2025/8/13              |               | 日期DATE: 2025/8/13             |

Please Return One Copy to Us After Approved,TKs! (承认后请回寄一份,谢谢)

**VOOHU 沃虎**  
造沃虎·真靠谱

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Suzhou City, Jiangsu Province

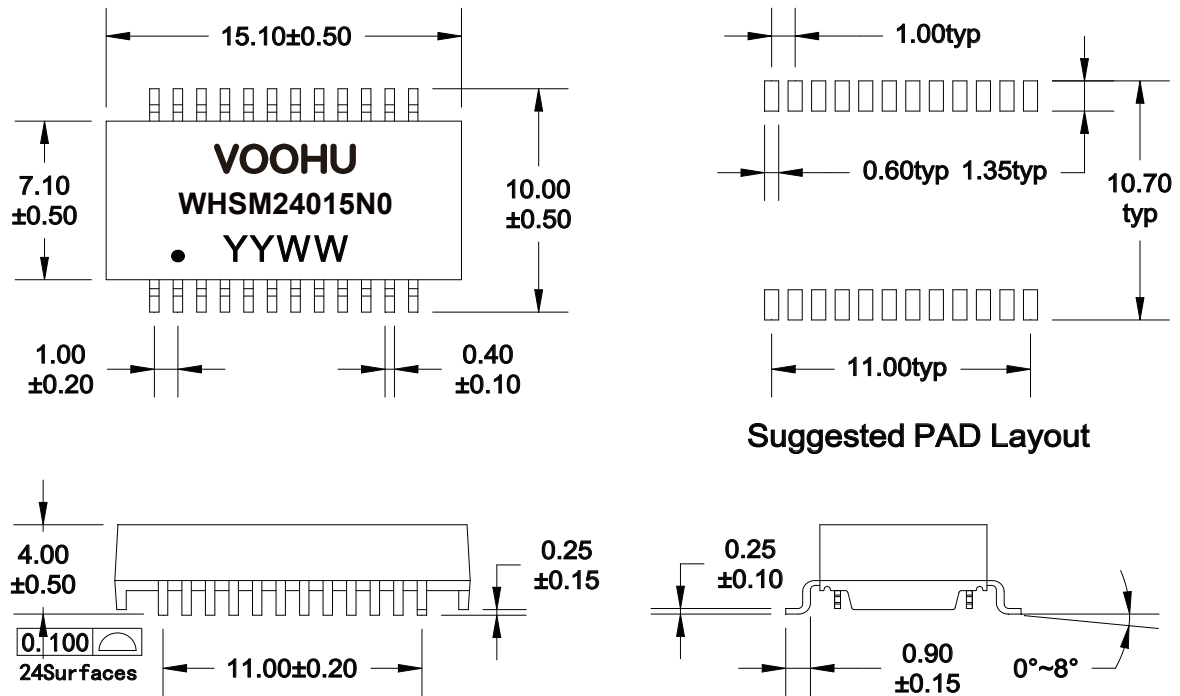
TEL: 400 1048 018  
+86 13338655578

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E-MAIL: wohu@wohu-tek.com

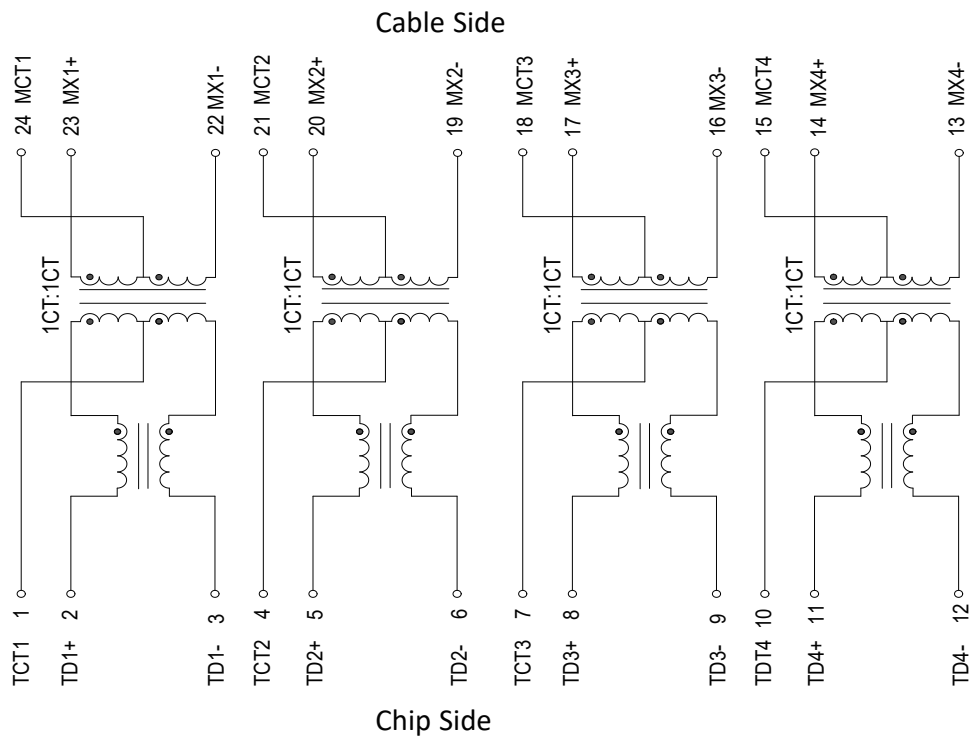
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|-------------|-------------|----------|
| DESCRIPTION | PART NO.    | REV:R0   |
| 10G BASE-T  | WHSM24015N0 | PAGE:1/4 |

## A. MECHANICAL(unit:mm)



## B. SCHEMATICS



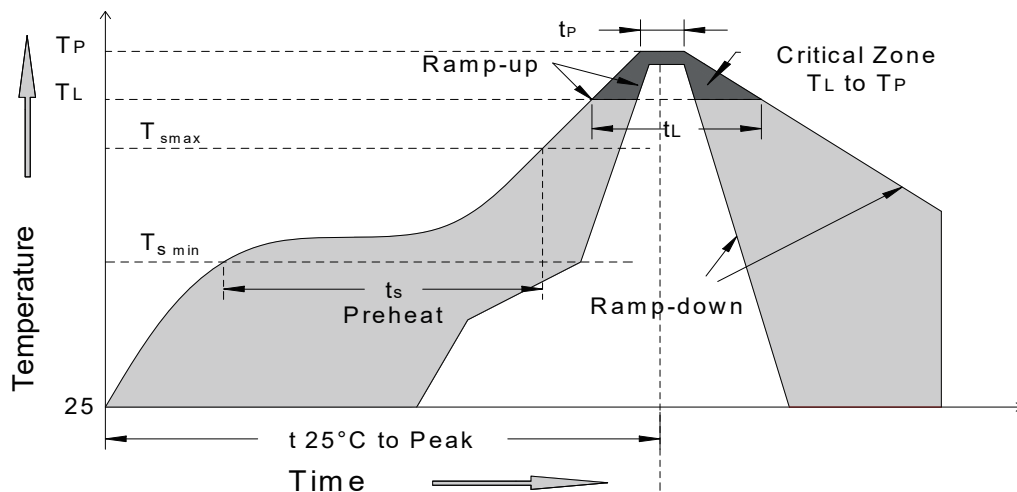
| DESCRIPTION | PART NO.    | REV:R0   |
|-------------|-------------|----------|
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### C. ELECTRICAL SPECIFICATIONS @25°C

Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C

1. OCL: 120 uH Min @100KHz 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 900mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2dB max @ 1-200 MHz  
-1.5dB max @ 200-300 MHz  
-2.0dB max @ 300-400 MHz  
-3.0dB max @ 400-500 MHz
6. Return Loss: -18 dB Min @ 1-100 MHz  
-16 dB Min @ 100-200 MHz  
-12 dB Min @ 200-300 MHz  
-10 dB Min @ 300-400 MHz  
-8 dB Min @ 400-500 MHz
7. Cross Talk: -25 dB Typ @ 1-500 MHz
8. Common Mode Rejection: -20 dB Typ @ 1-500 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature 0°C to +70°C(Included The Temperature Rise)
11. Storage temperature -40°C to +85°C
12. PoE Support 30W: Each channel support 360mA DC balance current,  
Full channels support 720mA DC balance current.

### D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

Grade: 1 level. Floor life: 0.5 year Condition: ≤30°C/60%RH.

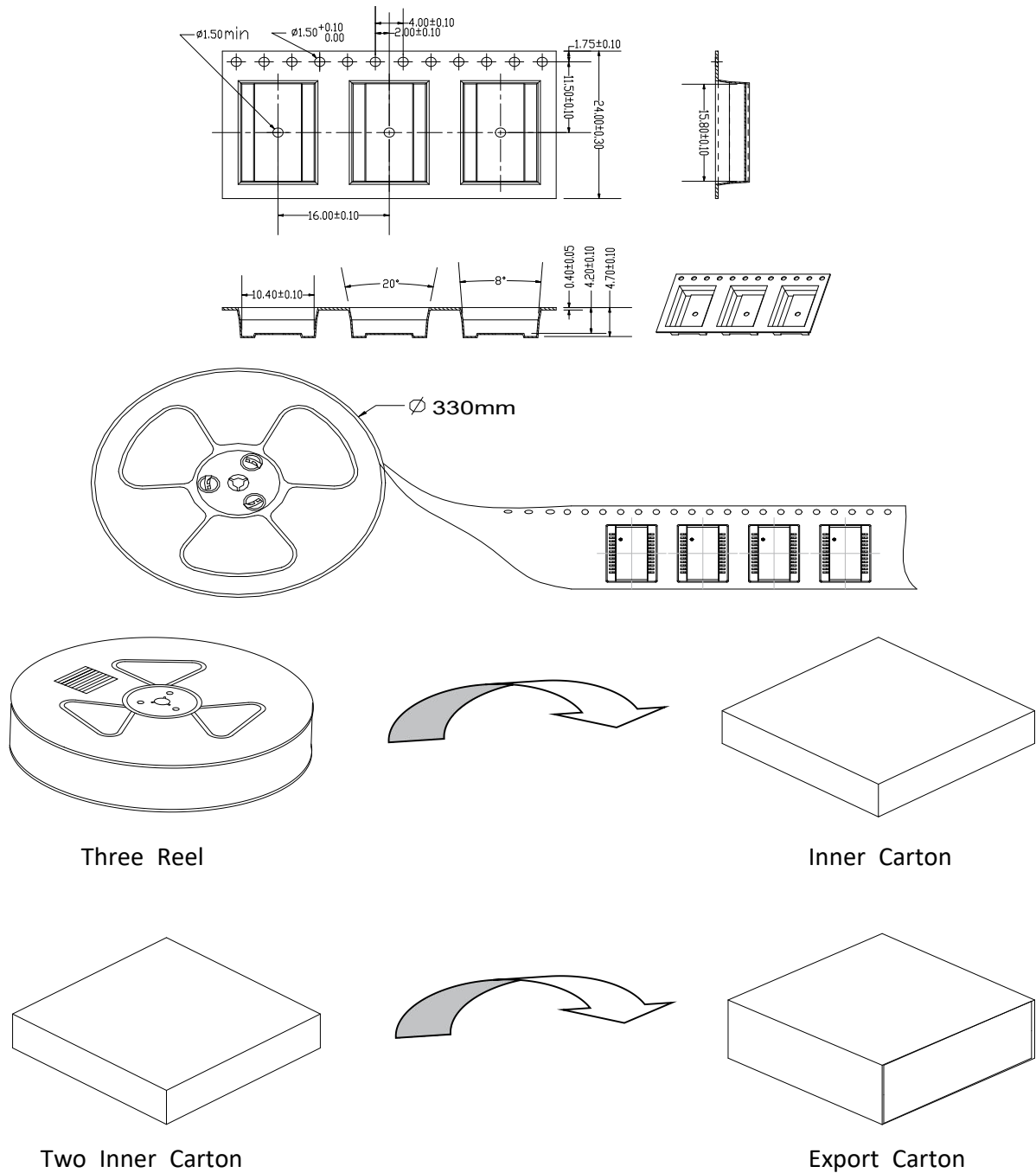
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

Tl=217°C tL=60s-150s Tp=250+/-3°C Time within 5°C of actual Peak Temperature (tp): 20~40s

Ts min=150°C Ts max=200°C Ts min to Ts max: 60s-180s, 25°C to peak Temperature: 8minutes max

| DESCRIPTION | PART NO.    | REV:R0   |
|-------------|-------------|----------|
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## E. PACKAGE INFORMATION



Package Quantity:

One Reel=800Pcs

One Inner Carton=800\*3=2400Pcs

One Export Carton=2400\*2=4800Pcs

| DESCRIPTION | PART NO.    | REV:R0   |
|-------------|-------------|----------|
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