

# Specification for Approval

## 产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHDQ48201N0

Version No.:

V0.1

Description:

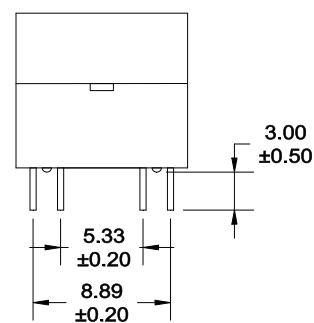
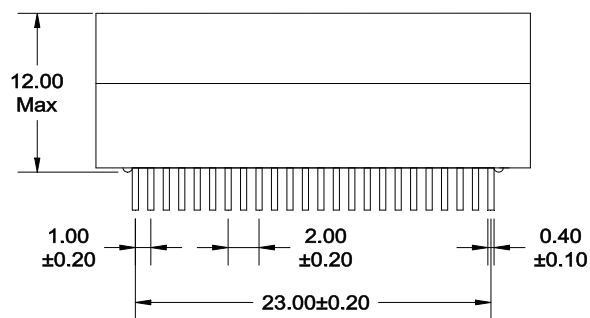
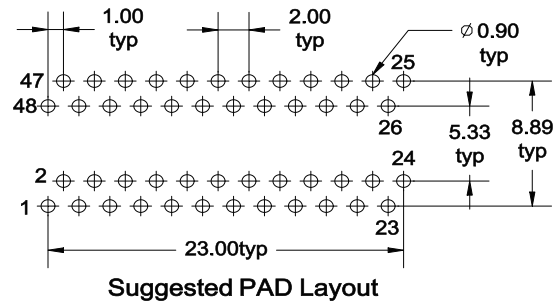
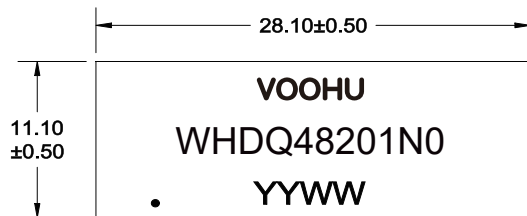
2.5/5G BASE-T

Laser Marking

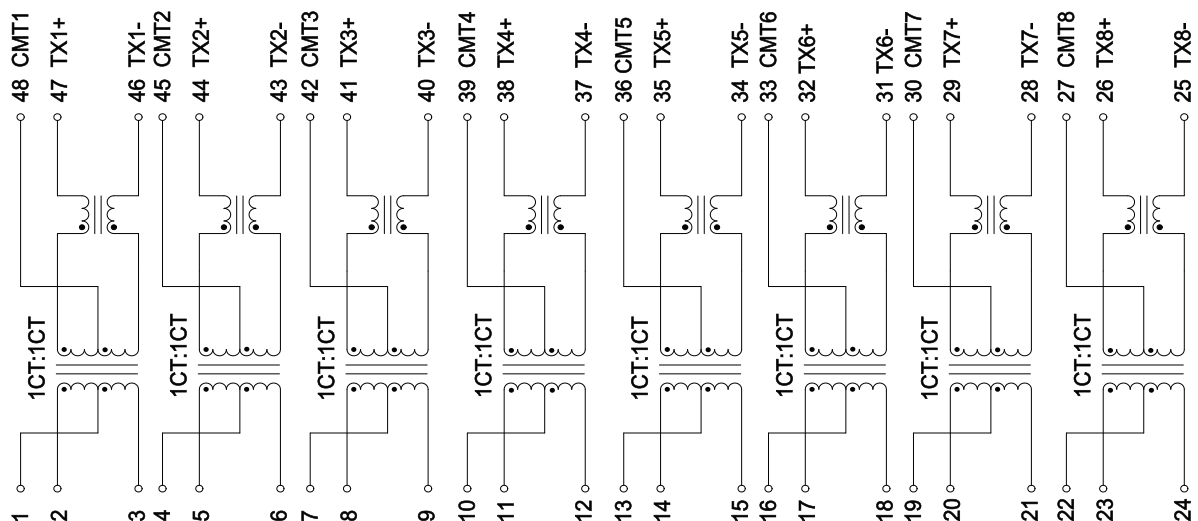
| SUZHOU VOOHU Company Approval |               | Customer Approval<br>(客户承认签章) |
|-------------------------------|---------------|-------------------------------|
| DRAWN                         | Geoffrey.Song |                               |
| CHECKED                       | Sunny.Xu      |                               |
| APPROVED                      | Elvis. Song   |                               |
| 日期DATE:2025/6/23              |               | 日期DATE: 2025/6/23             |

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

## A. MECHANICAL(unit:mm)



## B. Schematics



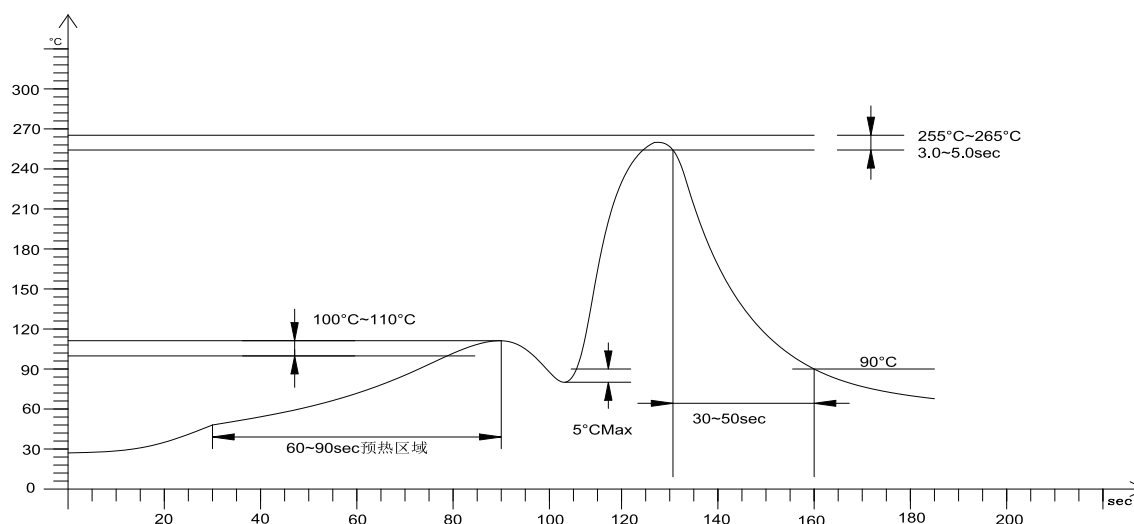
| DESCRIPTION    | PART NO.    | REV:RO    |
|----------------|-------------|-----------|
| 2. 5/5G BASE-T | WHDQ48201N0 | PAGE: 1/3 |

### C. ELECTRICAL SPECIFICATIONS @25°C

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

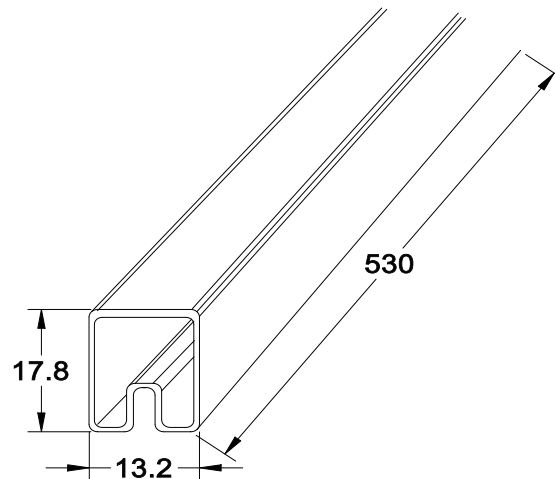
1. OCL: 150uH Min @ 100KHz 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1000mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.0 dB Max @ 1-100 MHz  
-2.0 dB Max @ 100-250 MHz
6. Return Loss: -16 dB Min @  $1 \leq f \leq 40$  MHz  
-16+10log(f/40) dB Min @  $40 < f \leq 250$  MHz, where f is in MHz
7. Cross Talk: -30 dB Typ @ 1-250 MHz
8. Common Mode Rejection Ratio: -30 dB Typ @ 1-250 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature -40°C to +85°C
11. Storage temperature -40°C to +85°C

### RECOMMEND WAVE SOLDERING CURVE

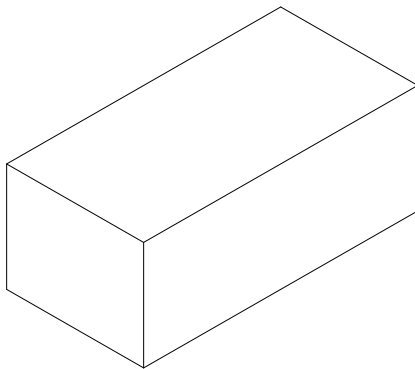


| DESCRIPTION    | PART NO.    | REV:RO    |
|----------------|-------------|-----------|
| 2. 5/5G BASE-T | WHDQ48201N0 | PAGE: 2/3 |

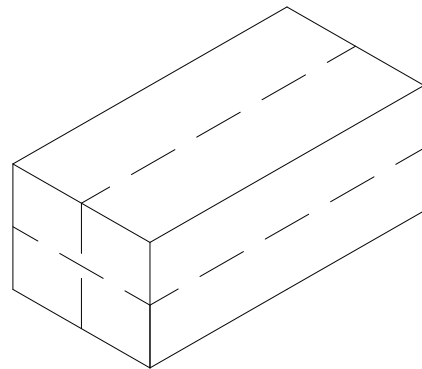
## E. Packaging specification



Tube: 530\*13.2\*17.8mm



Inner Carton: L555\*W165\*H100mm



Export Carton: L570\*W370\*H240mm

### Package Quantity:

One Tube=18Pcs

One Inner Carton=18\*50=900Pcs

One Export Carton=900\*4=3600Pcs

| DESCRIPTION    | PART NO.    | REV:R0    |
|----------------|-------------|-----------|
| 2. 5/5G BASE-T | WHDQ48201N0 | PAGE: 3/3 |