

# Specification for Approval

## 产品承认书

**Customer:**

**Customer P/N:**

**VOOHU P/N:**

WHSQ24015P1

**Version No.:**

V0.1

**Description:**

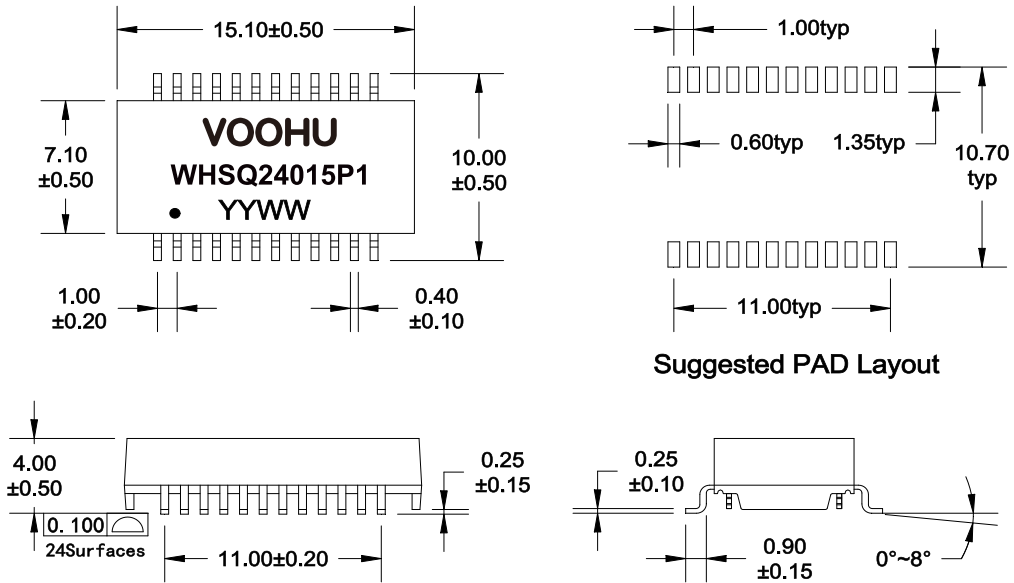
2.5/5G BASE-T

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
<b>DRAWN</b>	Geoffrey.Song	
<b>CHECKED</b>	Sunny.Xu	
<b>APPROVED</b>	Elvis. Song	
日期DATE:2026/5/07		日期DATE:2026/5/07

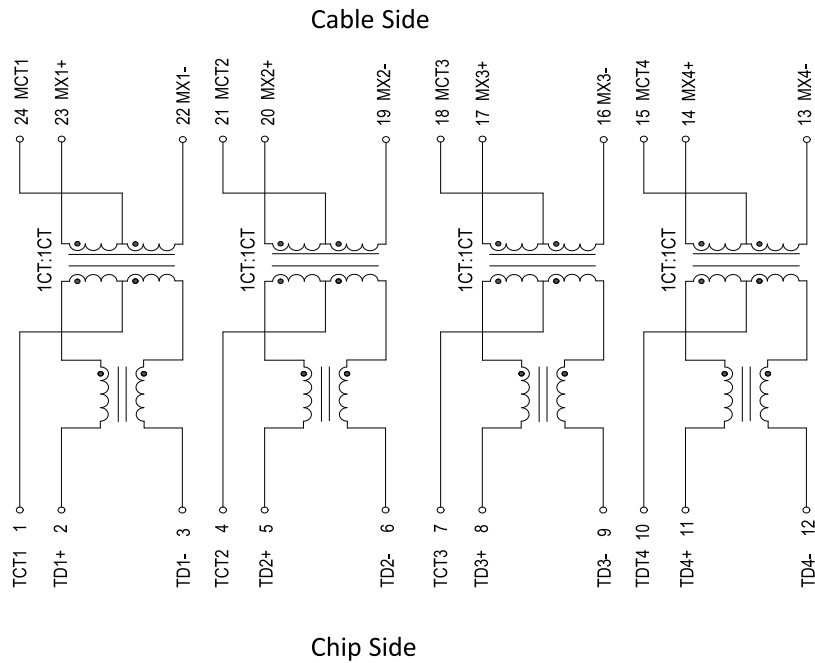
Please Return One Copy to Us After Approved,TKs! (承认后请回寄一份,谢谢)



**A. MECHANICAL(unit:mm)**



**B. Schematics**



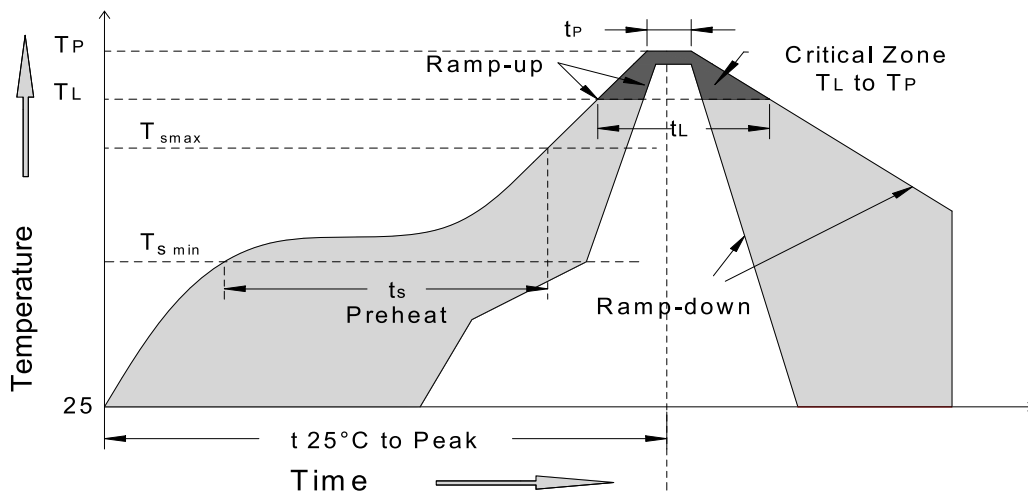
DESCRIPTION	PART NO.	REV:R0
2.5/5G BASE-T	WHSQ24015P1	PAGE:2/4

### 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 ≤ f ≤ 40 MHz  
-16+10log(f/40) dB Min @ 40 < f ≤ 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 (Included The Temperature Rise)
11. Storage temperature -40°C to +85°C
12. PoE Support 30W: Each channel support 720mA DC balance current,

### D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

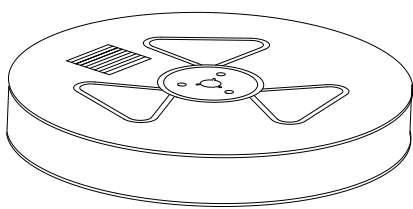
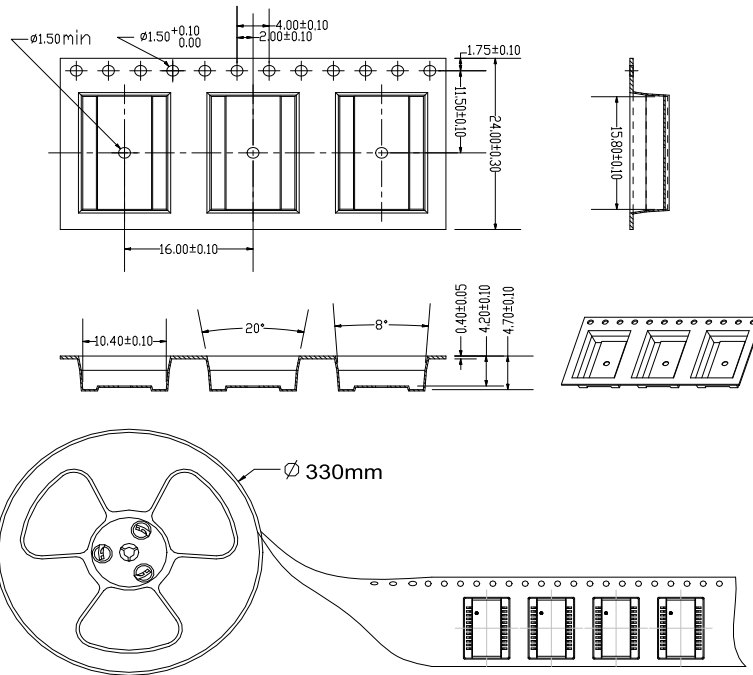
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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

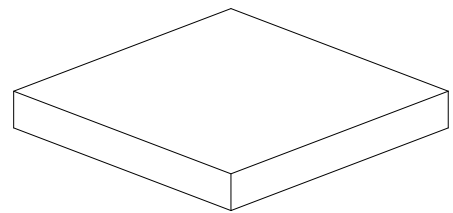
Ts min=150°C Ts max=200°C Ts min to Ts max: 60s-180s, 25°C to peak Temperature: 8minutes max

DESCRIPTION	PART NO.	REV:R0
2.5/5G BASE-T	WHSQ24015P1	PAGE:3/4

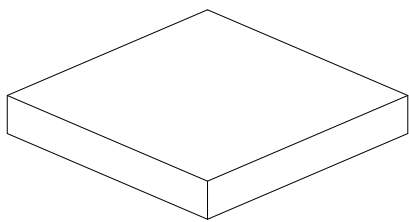
**E. Packaging specification**



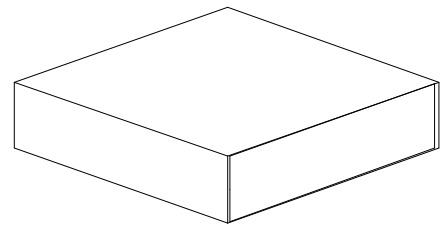
Three Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:  
 One Reel=800Pcs  
 One Inner Carton=800\*3=2400Pcs  
 One Export Carton=2400\*2=4800Pcs

DESCRIPTION	PART NO.	REV:R0
2.5/5G BASE-T	WHSQ24015P1	PAGE:4/4