

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSQ24B04T0

Version No.:

V0.1

Description:

2.5G/5G BASE-T

Laser Marking

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2025/5/23		日期DATE: 2025/5/23

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

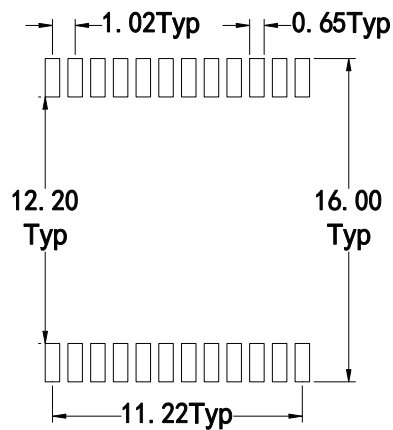
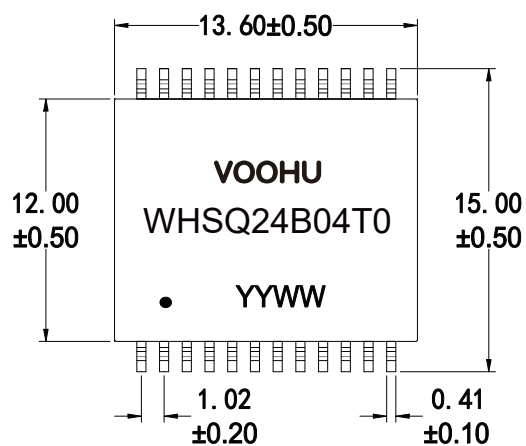
苏州沃虎电子科技有限公司
SuZhou Voohu Electronic Tech.Co.,Ltd

地址：江苏省苏州市吴江区开平商务中心G栋13楼
ADD: Building A, Alpha Building, Wujiang District,
Suzhou City, Jiangsu Province

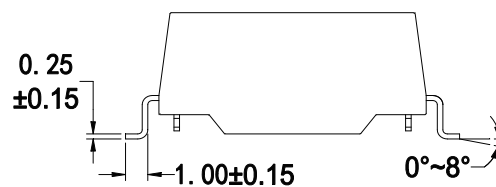
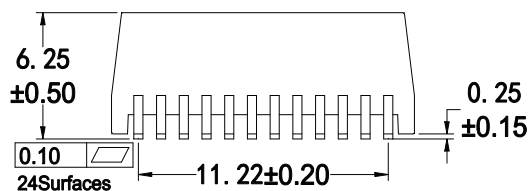
TEL: 400 1048 018
+86 13338655578

WEB: www.wohu-tek.com/
E-MAIL: wohu@wohu-tek.com

A. MECHANICAL(unit:mm)

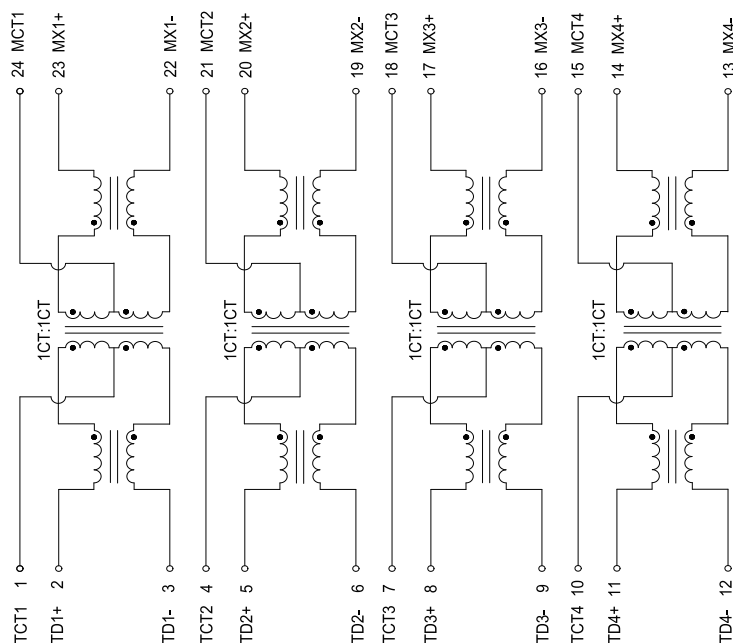


Suggested PAD Layout



B. SCHEMATICS

Cable Side



Chip Side

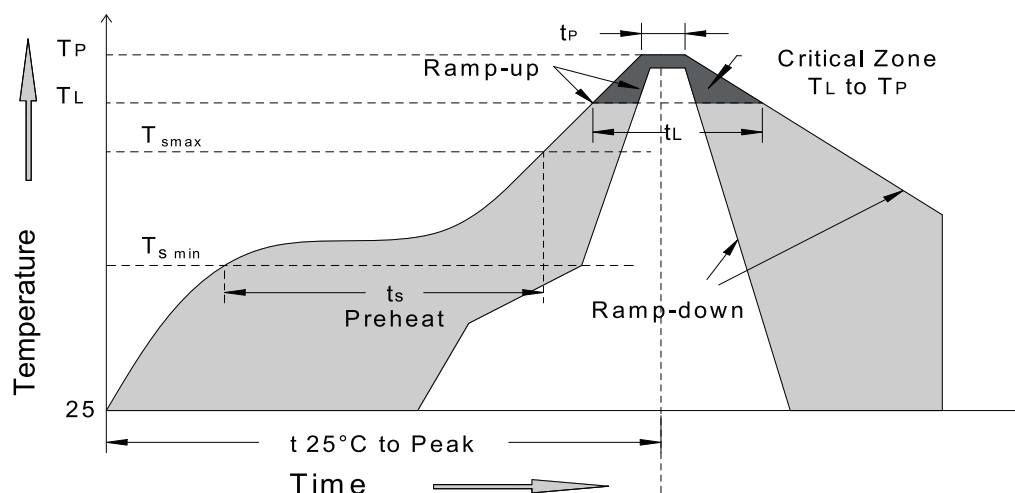
DESCRIPTION	PART NO.	REV:R0
2. 5G/5G BASE-T	WHSQ24B04T0	PAGE: 1/3

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

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

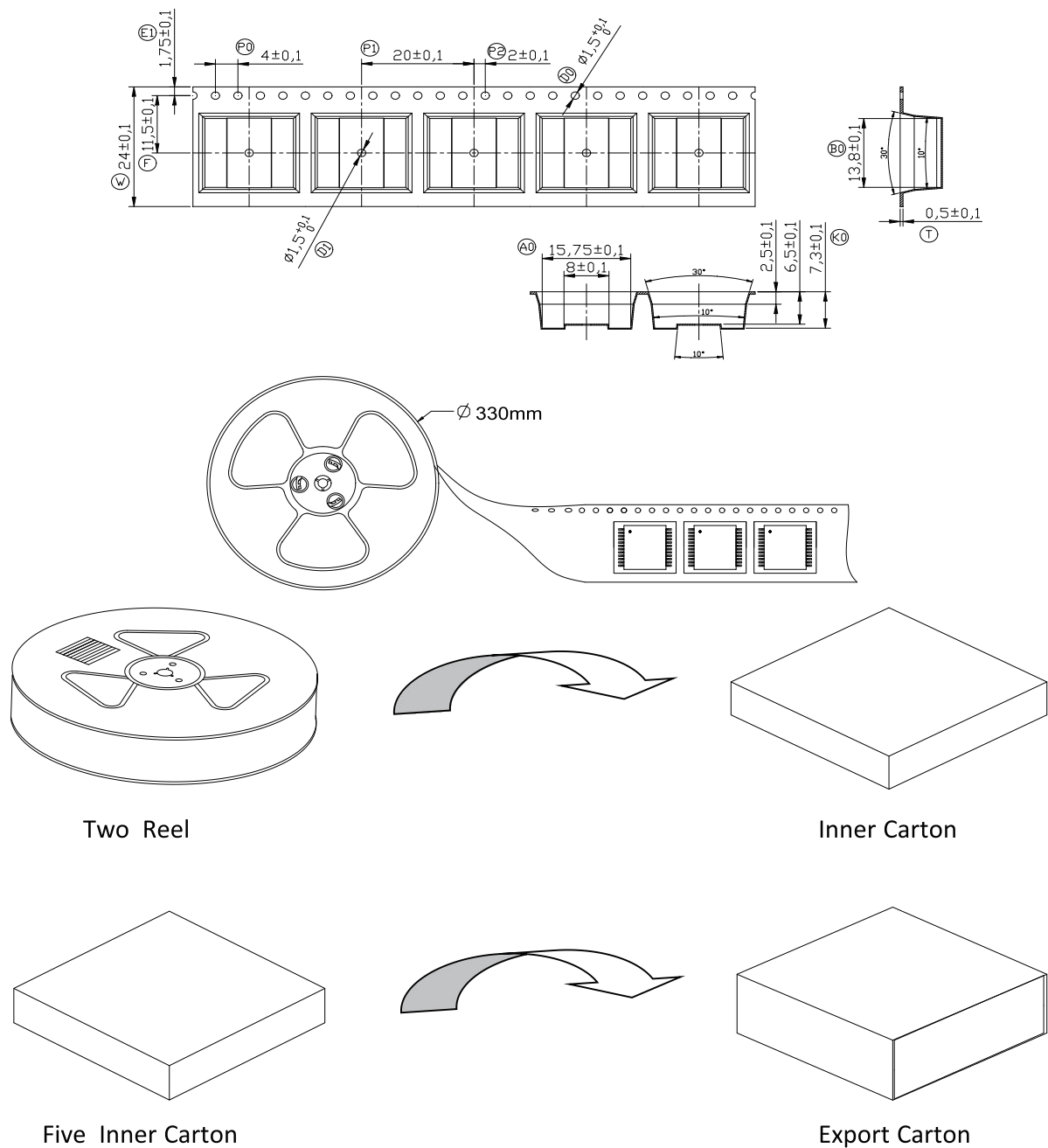
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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:RO
2. 5G/5G BASE-T	WHSQ24B04T0	PAGE: 2/3

E. PACKAGE INFORMATION



Package Quantity:

One Reel=400Pcs

One Inner Carton=400*2=800Pcs

One Export Carton=800*5=4000Pcs

DESCRIPTION	PART NO.	REV:RO
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