

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSQ48802C1

Version No.:

V0.1

Description:

2.5/5G BASE-T

Laser Marking

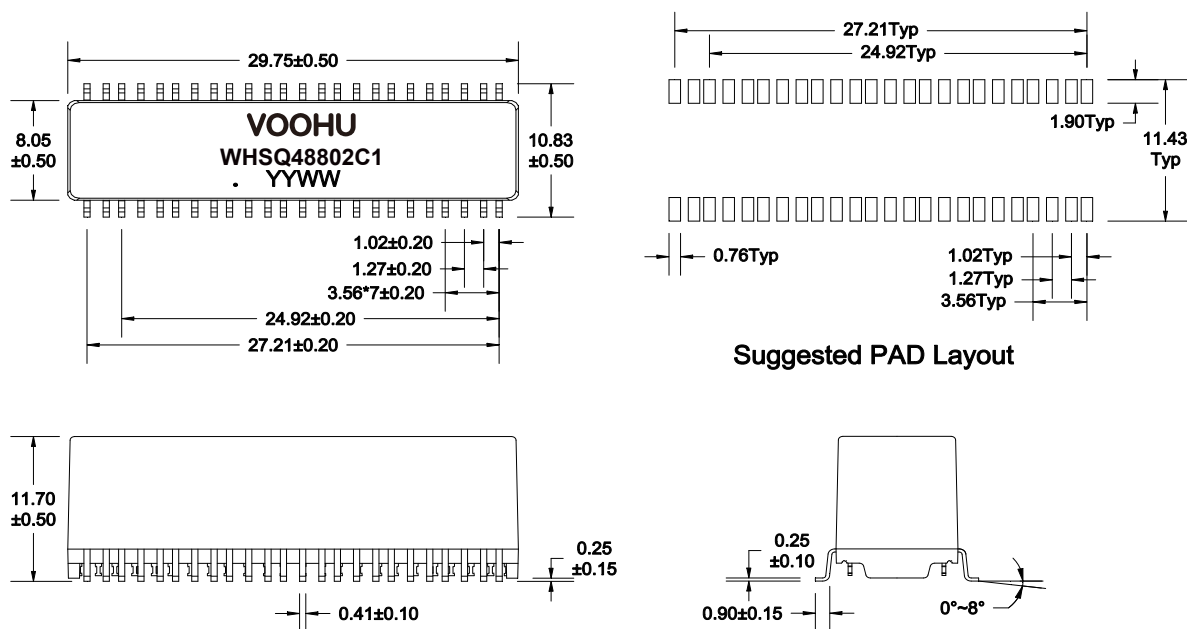
SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2025/8/26		日期DATE: 2025/8/26

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

[illegible]

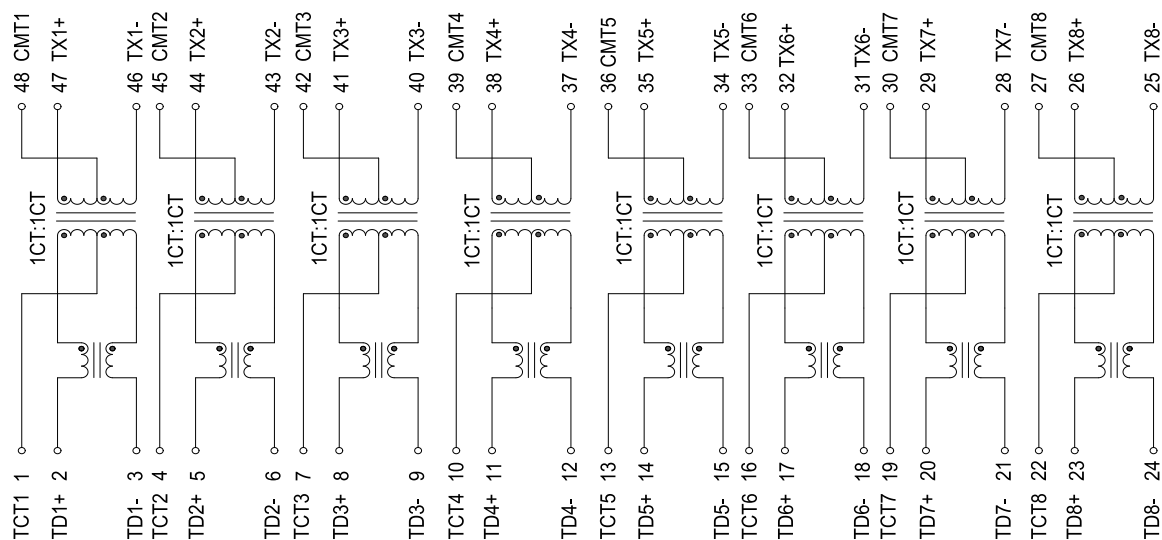
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A. MECHANICAL(unit:mm)



B. SCHEMATICS

Cable Side



Chip Side

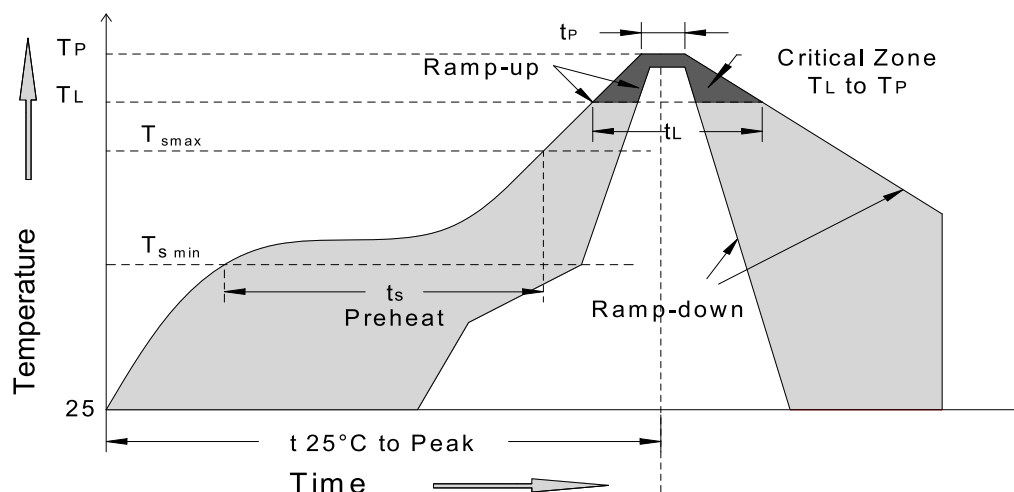
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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 150uH Min @ 100KHz 0.1V with 15mA DC BIAS
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(Included The Temperature Rise)
11. Storage temperature -40°C to +85°C
12. PoE Support 60W: Each channel support 1200mA DC balance current

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

Grade: 1 level. Floor life: 0.5 year Condition: $\leq 30^\circ C/60\%RH$.

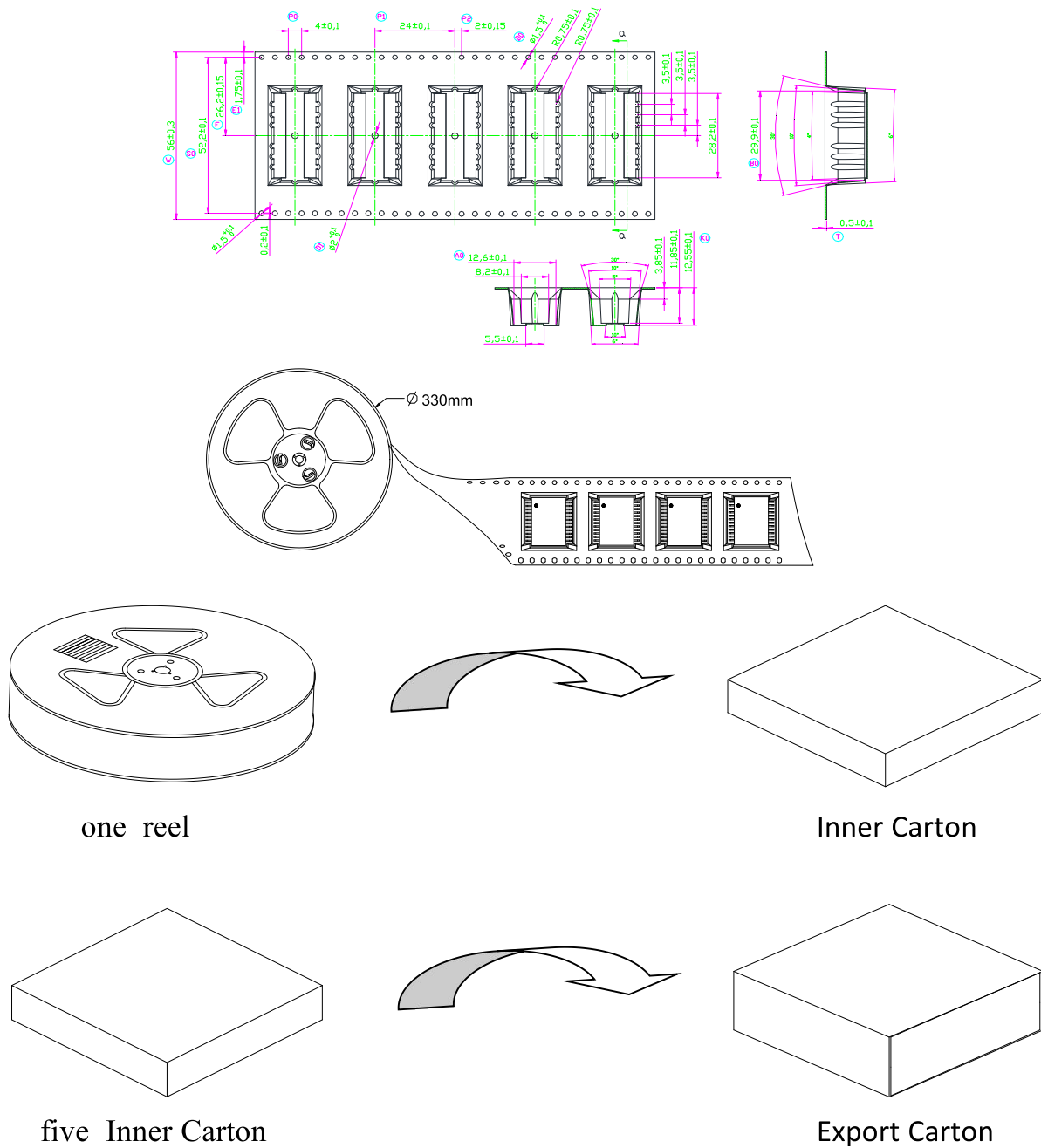
Ramp up rate= $3^\circ C/s$ max Ramp down rate= $6^\circ C/s$ max

$T_L=217^\circ C$ $t_L=60s-150s$ $T_P=250+/-3^\circ C$ Time within $5^\circ C$ of actual Peak Temperature (t_P): 20~40s

$T_{s\ min}=150^\circ C$ $T_{s\ max}=200^\circ C$ $T_{s\ min}$ to $T_{s\ max}$: 60s-180s, $25^\circ C$ to peak Temperature: 8minutes max

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E. PACKAGE INFORMATION



Package Quantity:

One Reel=190Pcs

One Inner Carton=190*1=190Pcs

One Export Carton=190*5=950Pcs

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