

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHS G24R02C0

Version No.:

V0.1

Description:

100/1000 BASE-T

Laser Marking

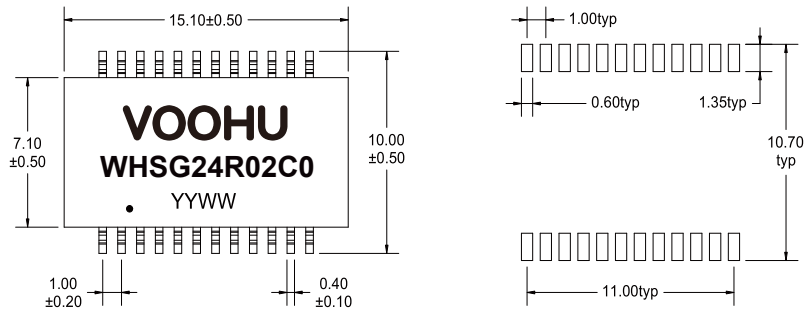
SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2025/8/07		日期DATE: 2025/8/07

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

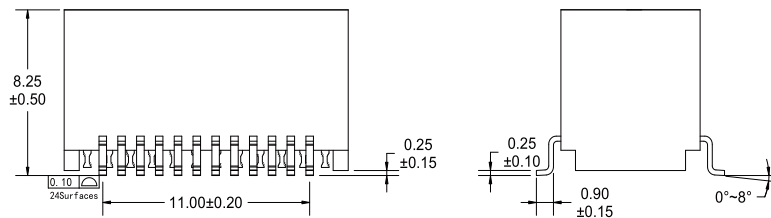
[illegible]

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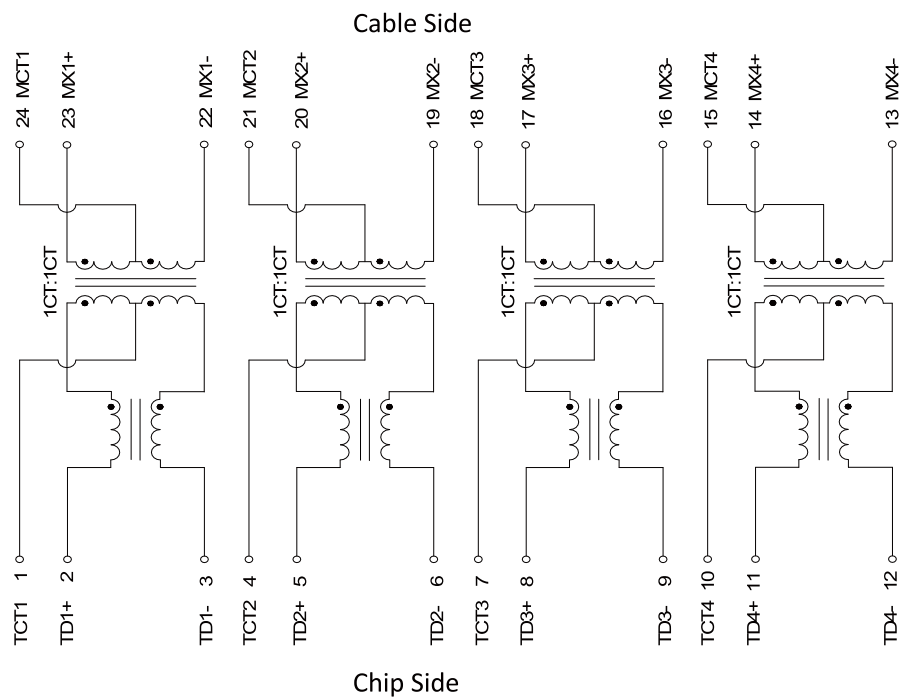
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. SCHEMATICS



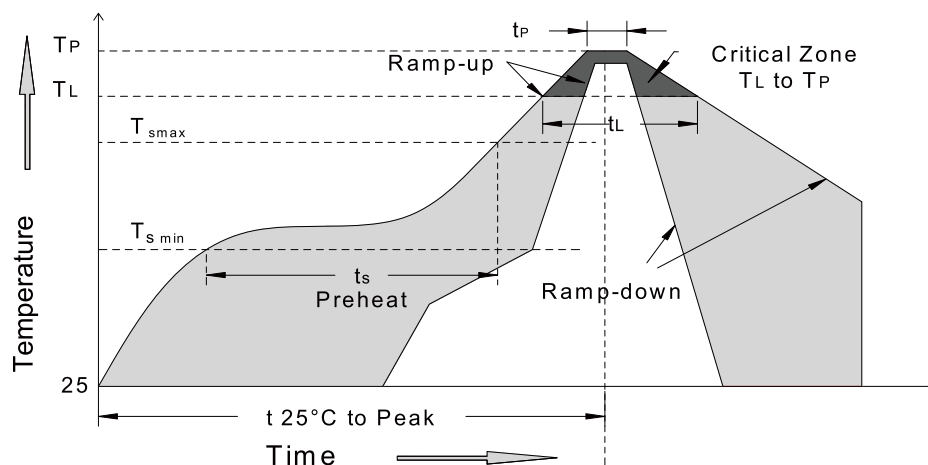
DESCRIPTION	PART NO.	REV:R0
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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 350uH Min @ 100 KHz, 0.1V 14mA DC BIAS
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1400mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2 dB Max @ 0.5-1 MHz
-0.2-0.002*f^{1.4} dB Max @ 1-125 MHz
6. Return Loss: -16 dB Min @ 1-40 MHz
-10+20*log(f/80) dB Min @ 40.1-100 MHz
7. Cross Talk: -30 dB Min @ 1-100 MHz
8. Common Mode Rejection: -30 dB Min @ 1-100 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 70W: Each channel support 720mA DC balance current.
Full channels support 1440mA DC balance current.

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

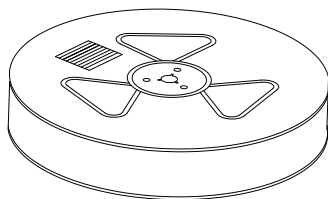
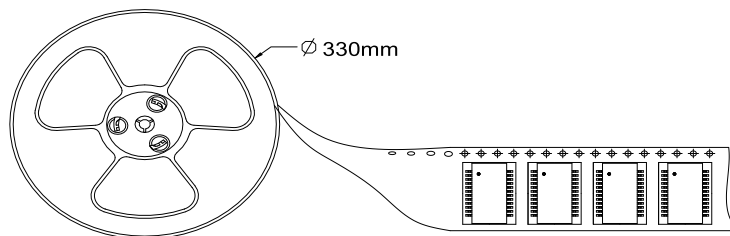
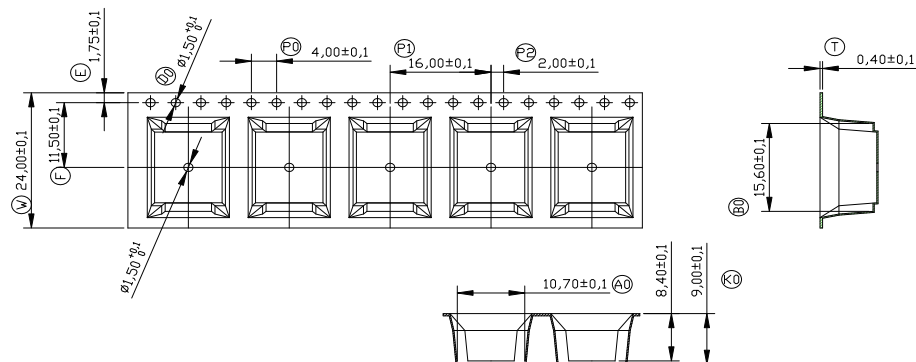
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

$T_L=217^\circ C$ $t_L=60s-150s$ $T_p=250^\circ C \pm 3^\circ C$ Time within 5°C of actual Peak Temperature (tp): 20~40s

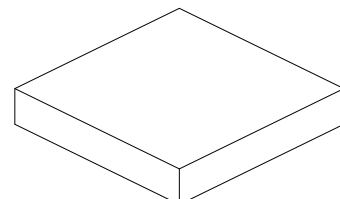
$T_{s\ min}=150^\circ C$ $T_{s\ max}=200^\circ C$ $T_{s\ min\ to\ T_{s\ max}}$: 60s-180s, 25°C to peak Temperature: 8minutes max

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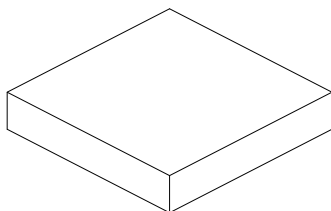
E. PACKAGE INFORMATION



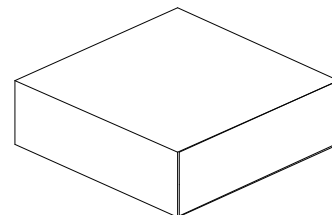
Two Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

One Reel=420Pcs

One Inner Carton=420*2=840Pcs

One Export Carton=840*2=1680Pcs

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