

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSM24P02N0

Version No.:

V0.1

Description:

10G 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
选沃虎 · 真靠谱

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

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ADD: Building A, Alpha Building, Wujiang District,
Suzhou City, Jiangsu Province

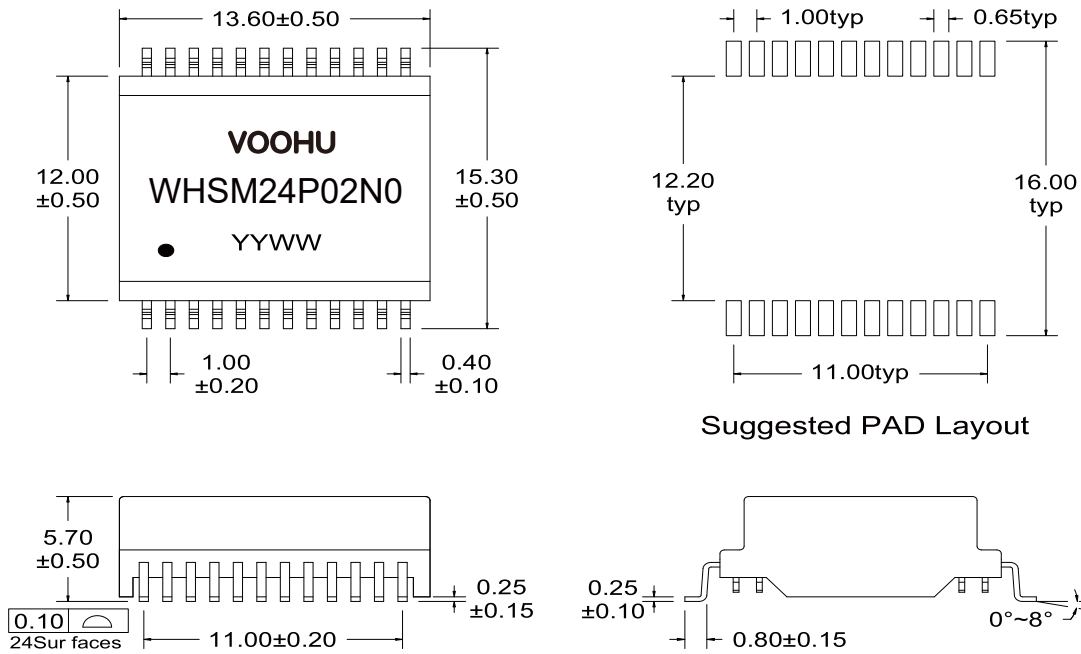
TEL: 400 1048 018

+86 13338655578

WEB: www.wohu-tek.com/

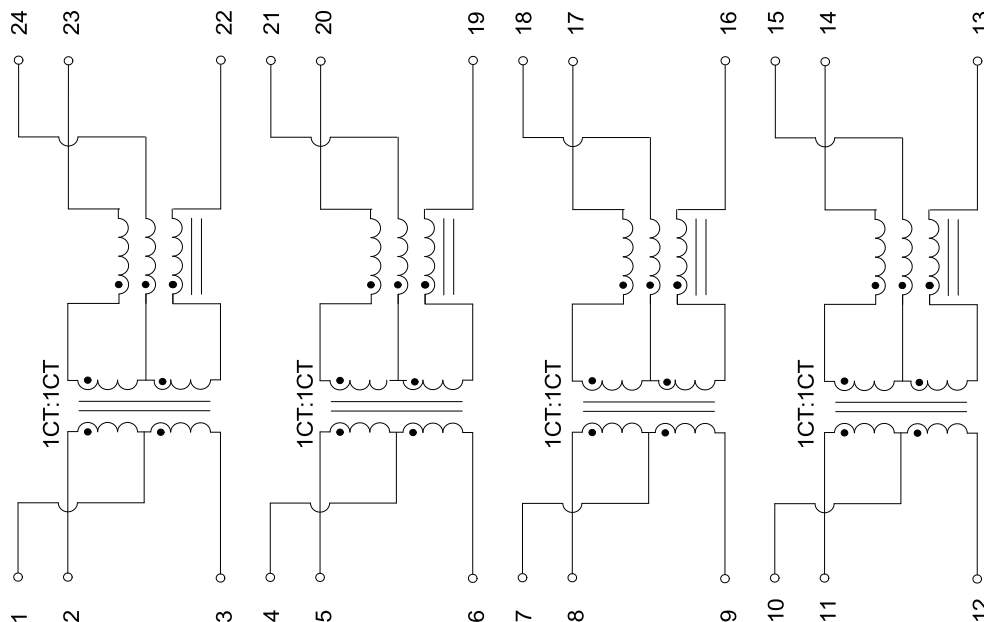
E-MAIL: wohu@wohu-tek.com

A. MECHANICAL(unit:mm)



Suggested PAD Layout

B. SCHEMATICS



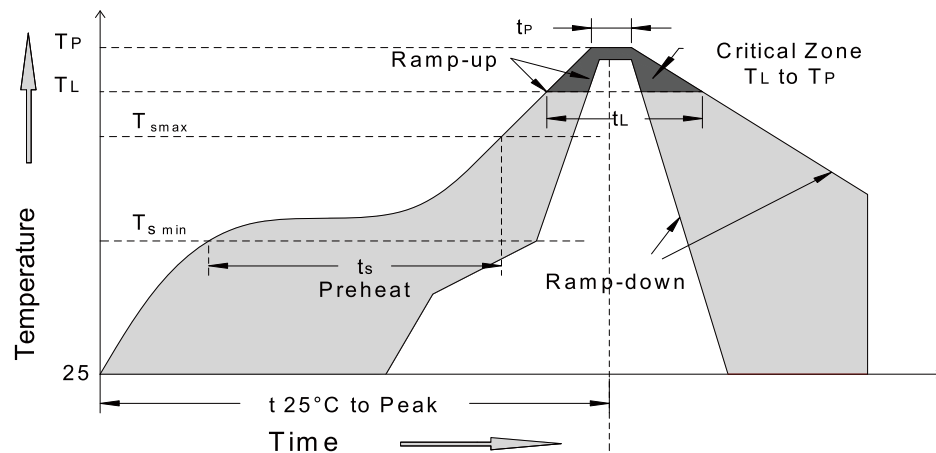
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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 120 uH Min @100KHz 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 900mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2dB max @ 1~200 MHz
-1.5dB max @ 200~300 MHz
-2.0dB max @ 300~400 MHz
-3.0dB max @ 400~500 MHz
6. Return Loss: -18 dB Min @ 1~100 MHz
-16 dB Min @ 100~200 MHz
-12 dB Min @ 200~300 MHz
-10 dB Min @ 300~400 MHz
-8 dB Min @ 400~500 MHz
7. Cross Talk: -25 dB Typ @ 1-500 MHz
8. Common Mode Rejection: -25 dB Typ @ 1-500 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature 0°C to +70°C
11. Storage temperature -40°C to +85°C

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

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

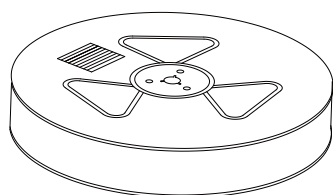
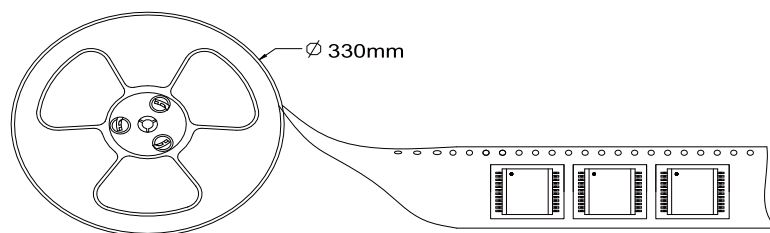
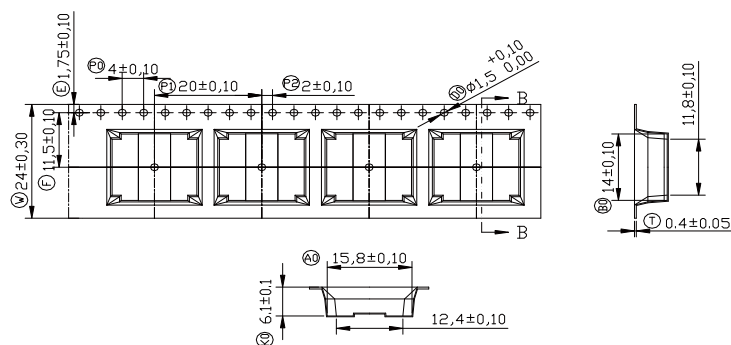
$T_L=217^\circ\text{C}$ $t_L=60\text{s}-150\text{s}$ $T_P=250\pm 3^\circ\text{C}$ Time within 5°C of actual Peak Temperature

(t_P): 20~40s

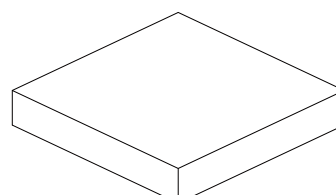
$T_{s\ min}=150^\circ\text{C}$ $T_{s\ max}=200^\circ\text{C}$ $T_{s\ min}$ to $T_{s\ max}$: 60s-180s, 25°C to peak Temperature: 8minutes max

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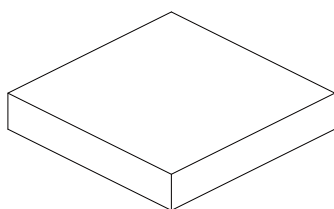
E. PACKAGE INFORMATION



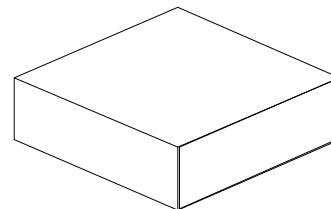
Two Reel



Inner Carton



Five Inner Carton



Export Carton

Package Quantity:
One Reel=450Pcs
One Inner Carton=450*2=900Pcs
One Export Carton=900*5=4500Pcs

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