

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

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:2025/5/23		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

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

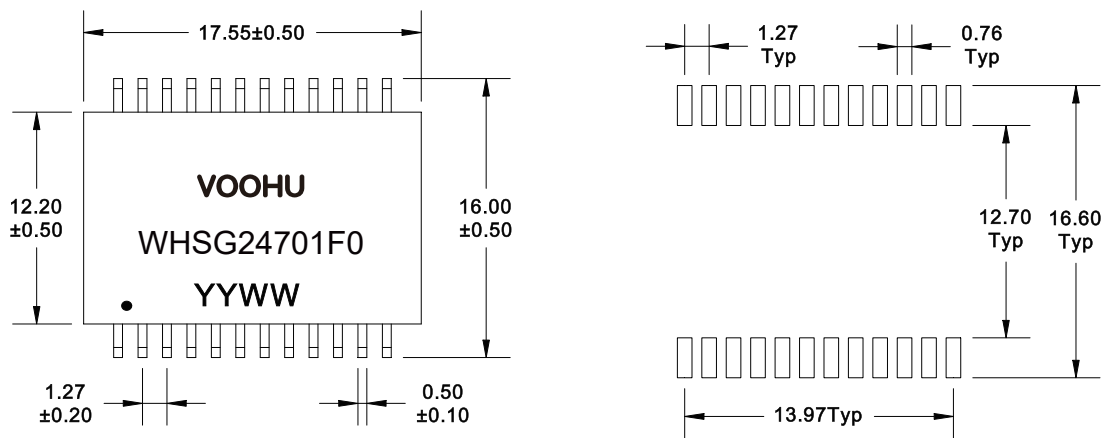
TEL: 400 1048 018

+86 13338655578

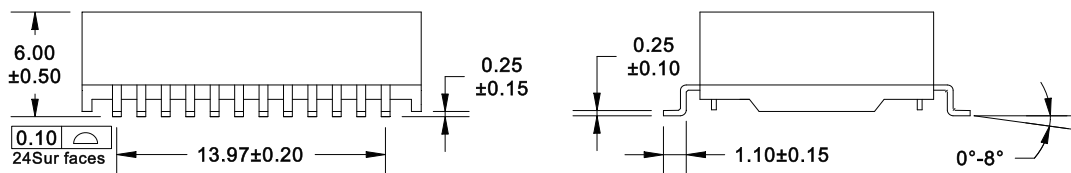
WEB: www.wohu-tek.com/

E-MAIL: wohu@wohu-tek.com

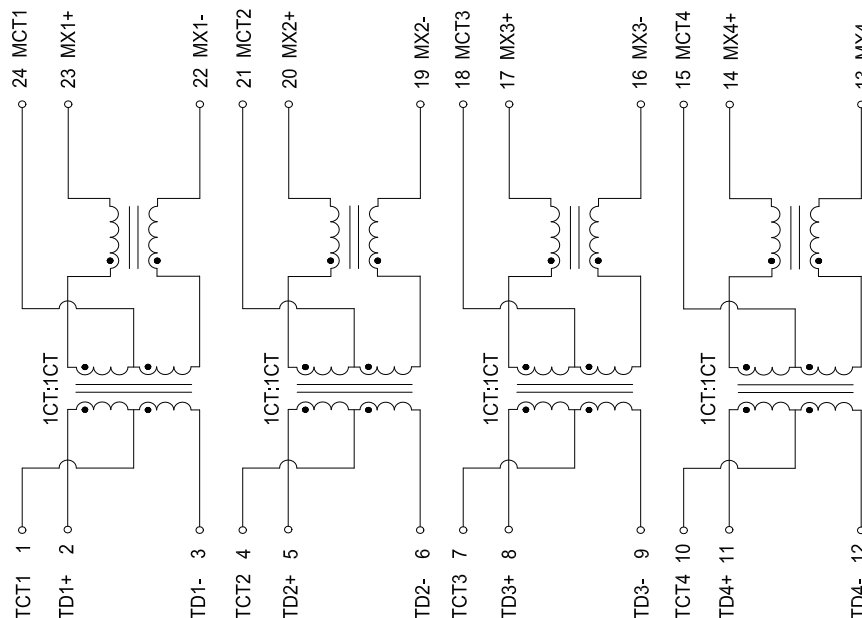
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. SCHEMATICS



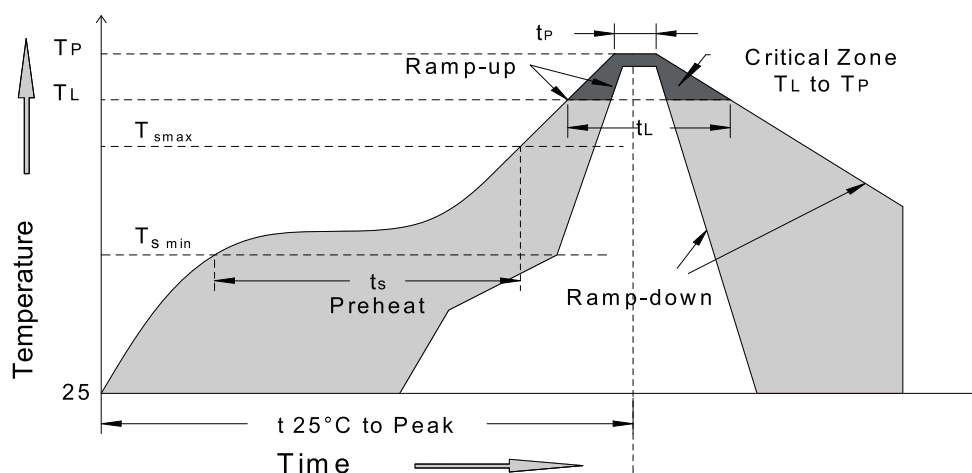
DESCRIPTION	PART NO.	REV:R0
100/1000 BASE-T	WHSG24701F0	PAGE:1/3

C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 350uH Min @ 100 KHz, 0.1V 8mA 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: 4000VAC 1mA 2S
10. Operating temperature -40°C to +85°C (Include The Temperature Rise)
11. Storage temperature -40°C to +85°C
12. IEEE802.3at compliant performance---720mA Current Capability

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

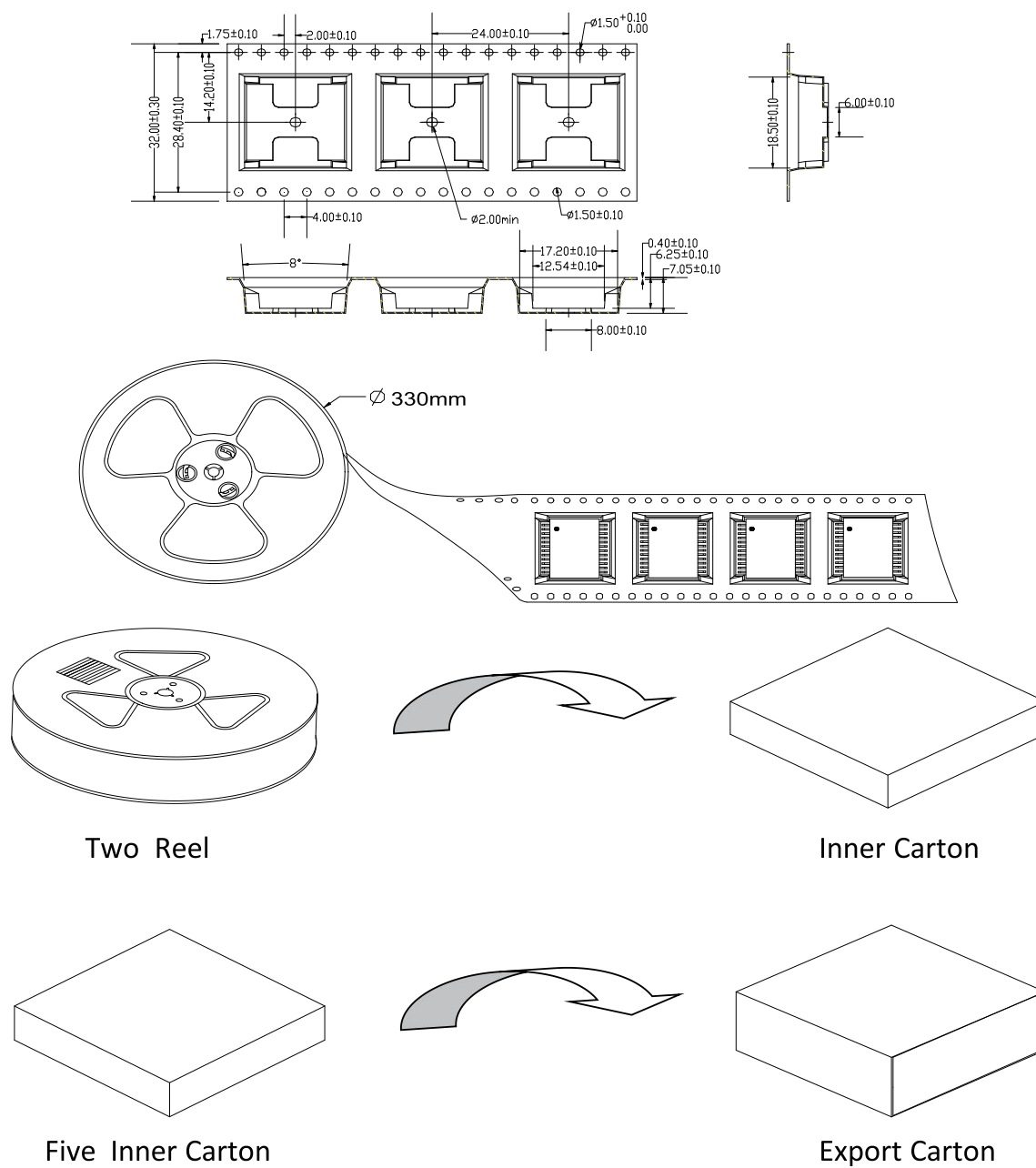
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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
100/1000 BASE-T	WHS24701F0	PAGE:2/3

E. PACKAGE INFORMATION



Package Quantity:

One Reel=350Pcs

One Inner Carton=350*2=700Pcs

One Export Carton=700*5=3500Pcs

DESCRIPTION	PART NO.	REV:R0
100/1000 BASE-T	WHS24701F0	PAGE: 3/3