

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHST12E01E0

Version No.:

V0.1

Description:

10 BASE-TX

ESS Application

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2026/2/02		日期DATE: 2026/2/02

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

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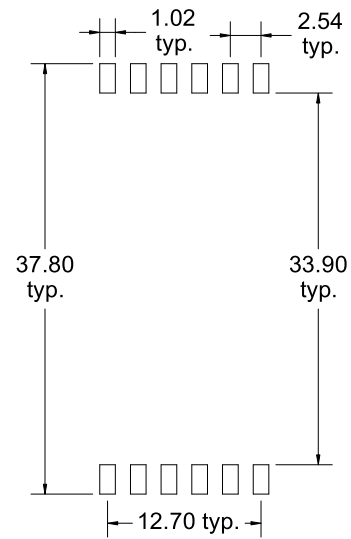
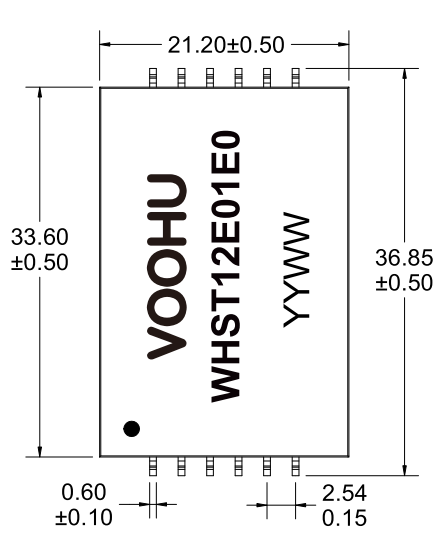
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E-MAIL: wohu@wohu-tek.com

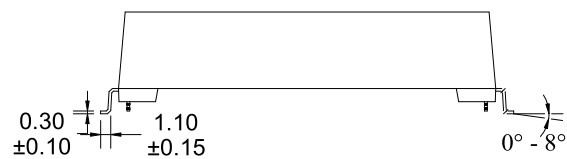
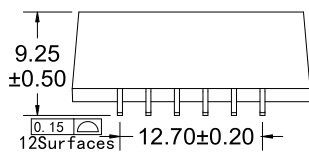
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DESCRIPTION	PART NO.	REV:R0
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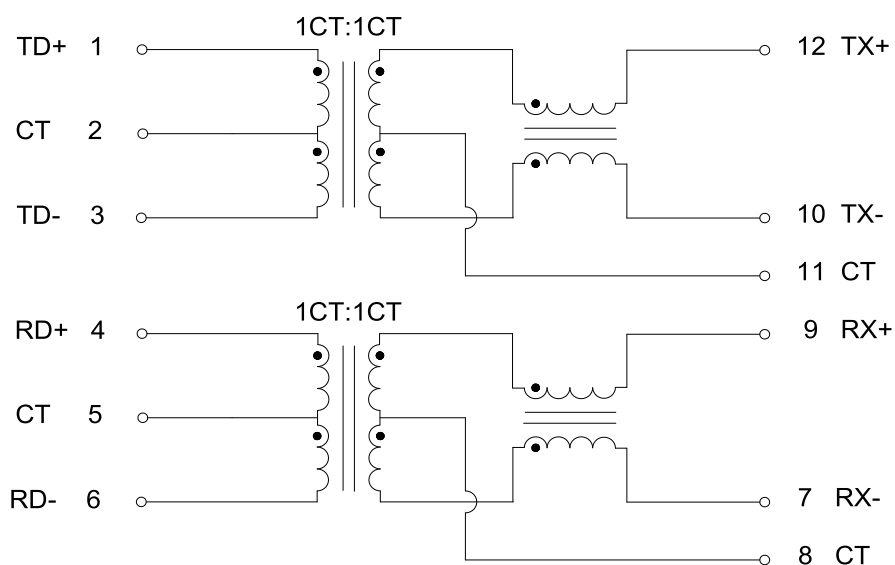
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. Schematics



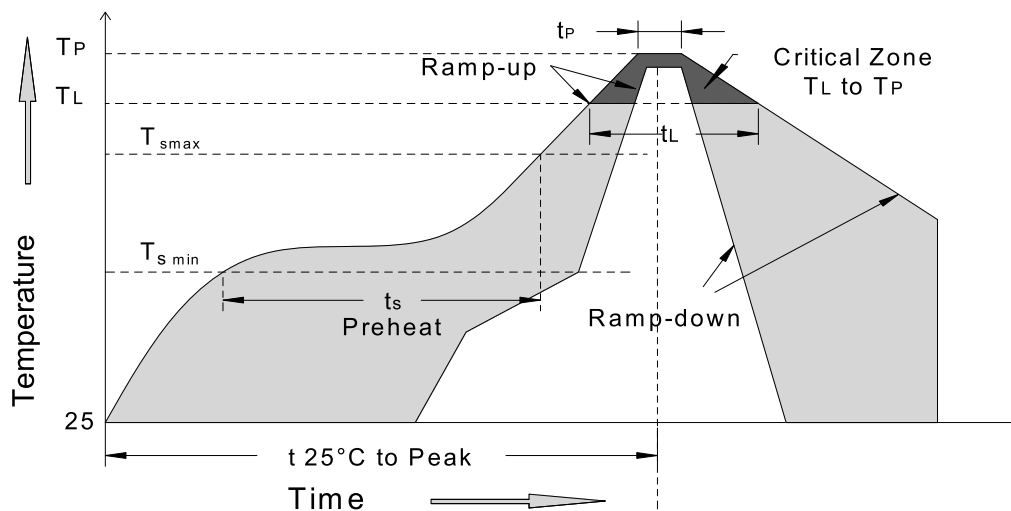
DESCRIPTION	PART NO.	REV:R0
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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL(TD & RD): 400uH Typ. @ 100 KHz, 0.1V, 25°C
120uH Min. @ 100 KHz, 0.1V, -40°C~125°C
2. Leakage Inductance(TD & RD, TX & RX shorted): 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1200mΩ Max
4. Turns Ratio(Pri to Sec): 1CT:1CT±2%
5. Insertion Loss(TD to TX & RD to RX): -0.40 dB Max @ 4 MHz
6. Return Loss(TD & RD, TX & RX with 100 ohm load): -20 dB Min @ 4 MHz
7. Crosstalk Adjacent Channels (TD to RD): -50 dB Min @ 4 MHz
8. Common Mode Rejection(TD to TX & RD to RX): -35 dB Min @ 1-10 MHz
-20 dB Min @ 10-100 MHz
9. Differential to common rejection ratio: -35 dB Min @1-30MHz
-30 dB Min @ 30-80 MHz
-25 dB Min @ 80-100 MHz
10. Isolation Hipot: 4300VDC 1mA 60S (Equivalent to 3100VAC 1mA 60S) or 3700VAC 1mA 2s
11. Reinforced Insulation At a Working Voltage Of 1600VDC And The Creepage Distance Of 30mm Min
12. Insulation Resistance:400 Mohm Min
13. Operating Temperature: -40°C to +125°C
14. Storage Temperature(With Package): +10°C to +40°C
15. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
16. RoHS Compliant

D. RECOMMEND WAVE SOLDERING CURVE



MSL:

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

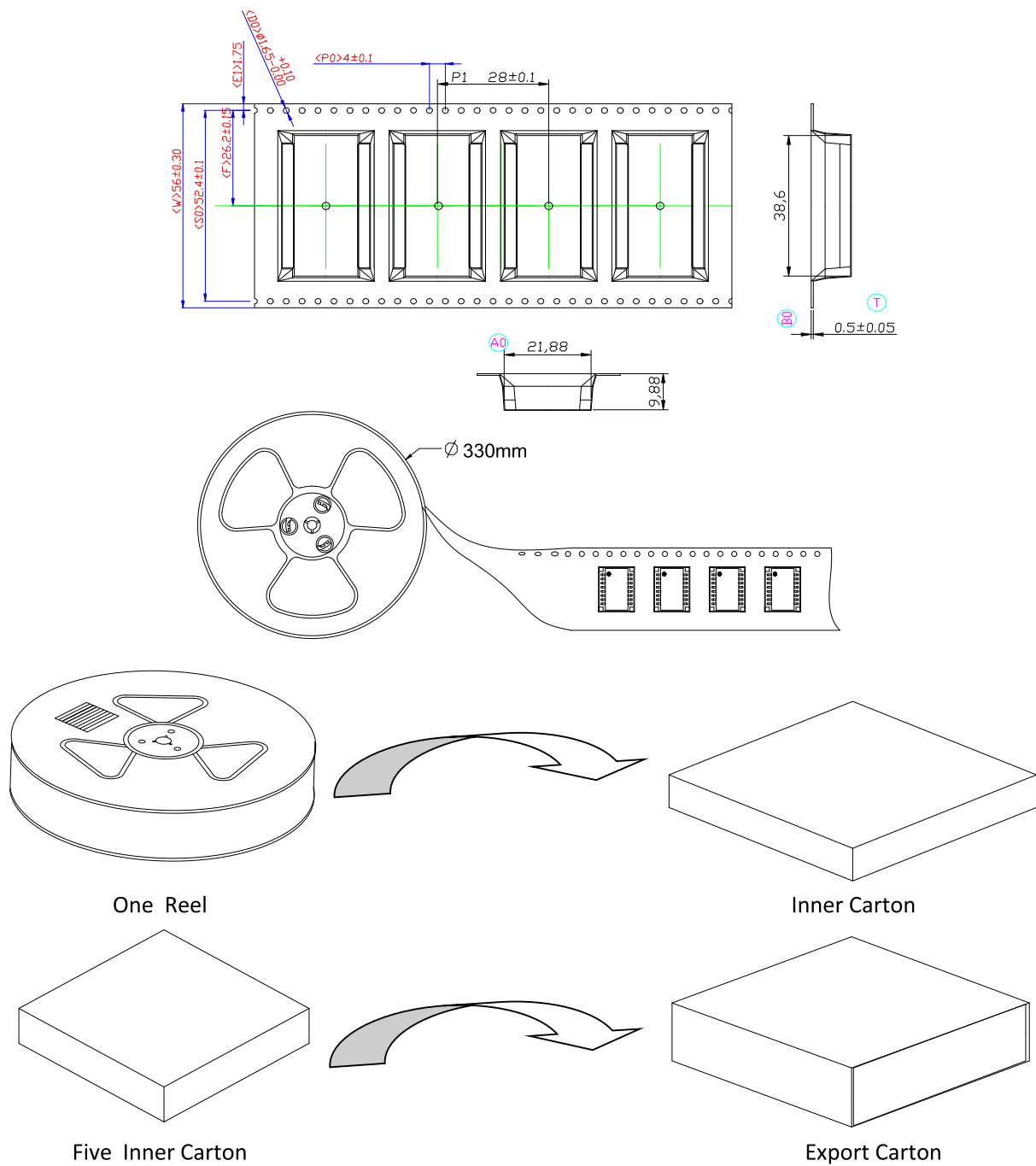
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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

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E. Packaging specification



Package Quantity:

One Reel=200Pcs

One Inner Carton=200*1=200Pcs

One Export Carton=200*5=1000Pcs

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