

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSG50002P1

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:2025/12/03		日期DATE: 2025/12/03

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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SuZhou Voohu Electronic Tech.Co.,Ltd

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Suzhou City, Jiangsu Province

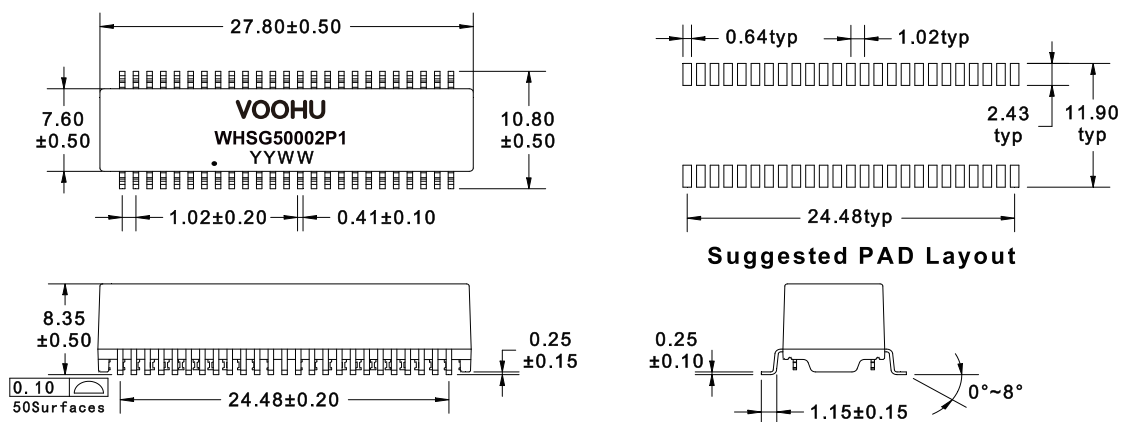
TEL: 400 1048 018
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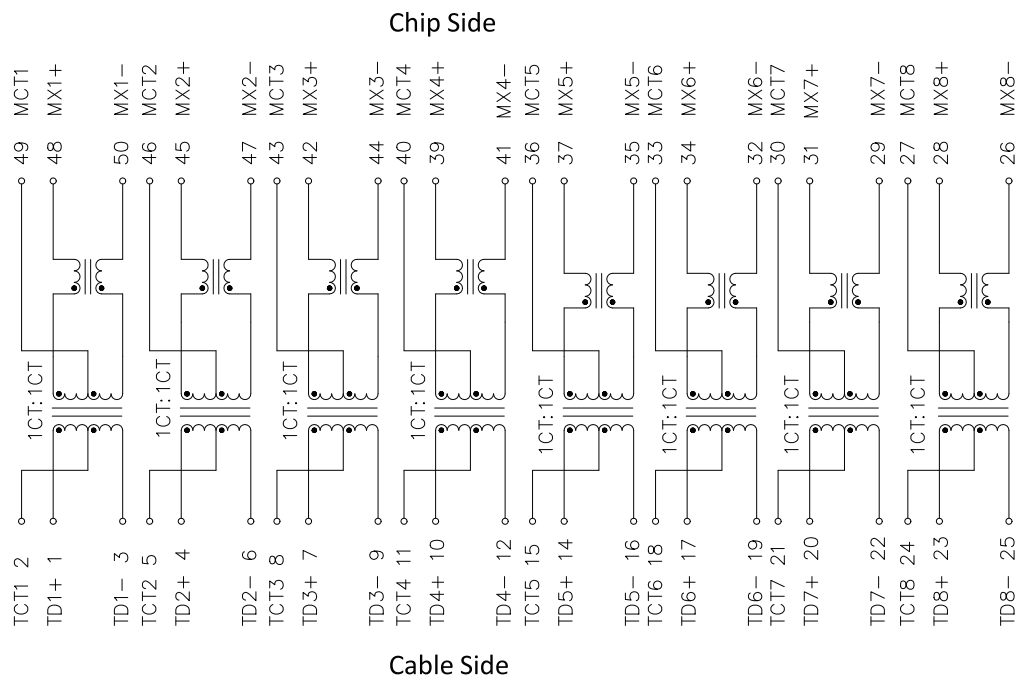
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DESCRIPTION	PART NO.	REV:R0
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A. MECHANICAL(unit:mm)



B. SCHEMATICS



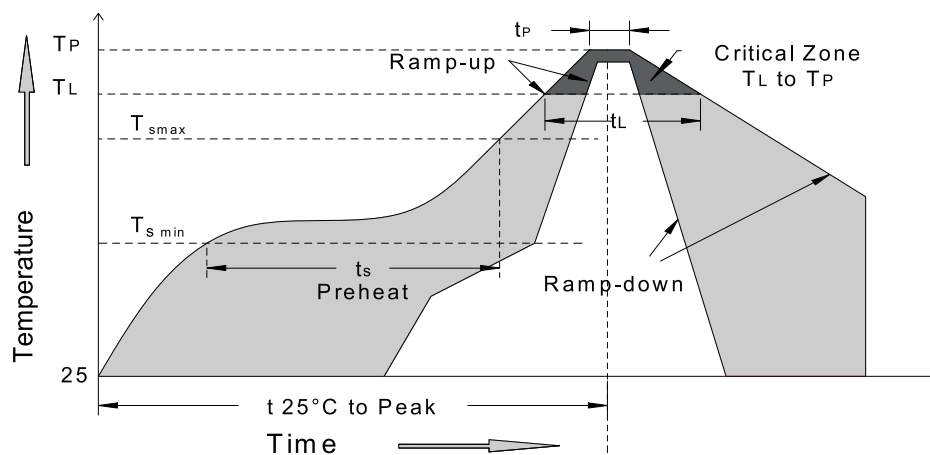
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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 350uH Min @ 100 KHz, 0.1V with 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: 1500VAC 1mA 60S
10. Operating temperature 0°C to +70°C (Included The Temperature Rise)
11. Storage temperature -40°C to +85°C
12. Full ports support(4PPoE)IEEE802.3bt standard----1200mA Current Capability

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

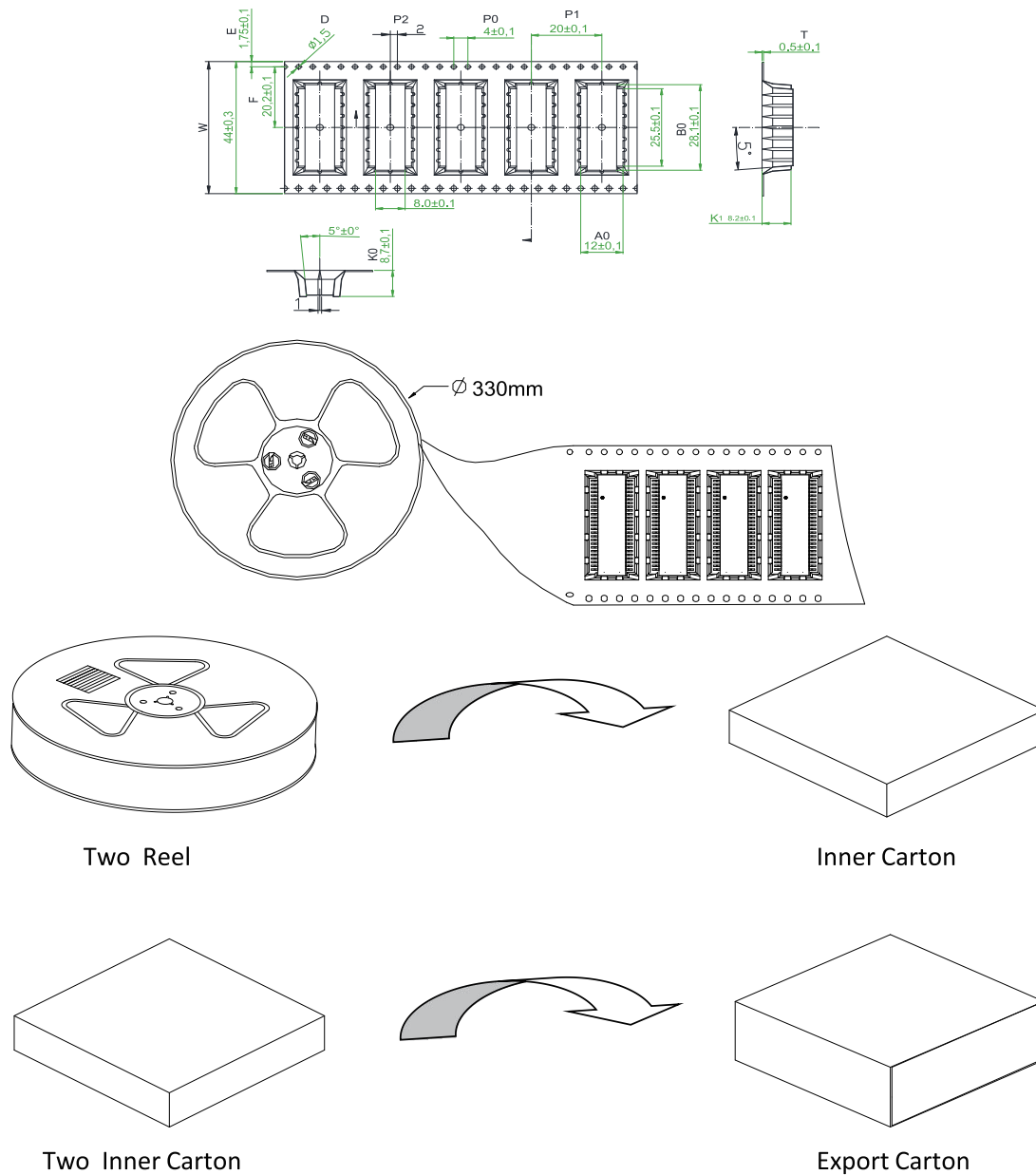
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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



Package Quantity:

One Reel=350Pcs

One Inner Carton=350*2=700Pcs

One Export Carton=700*2=1400Pcs

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