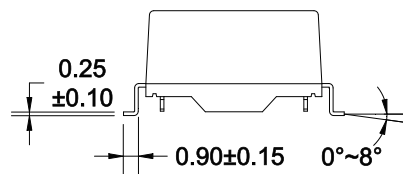
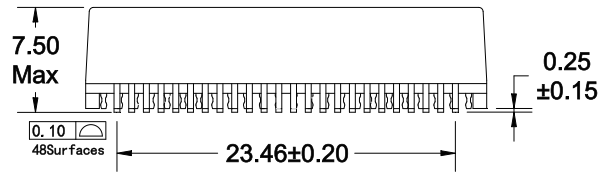
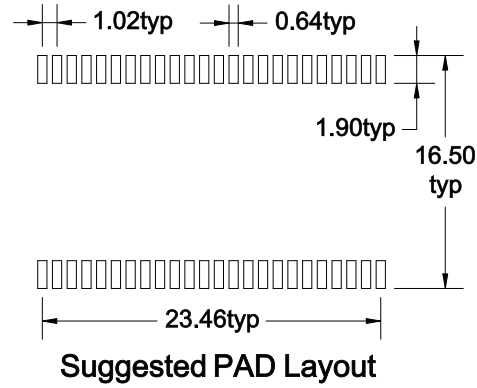
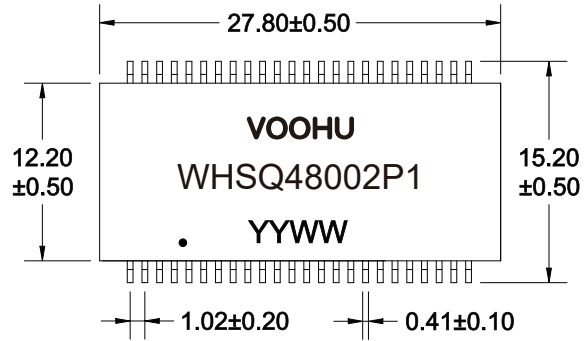


REACH & RoHS  
COMPLIANT

A. MECHANICAL(unit:mm)



**VOOHU** 苏州沃虎电子科技有限公司  
Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:  
2.5/5G BASE-T Laser Marking

SIZE  
A4  
UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHSQ48002P1

SACLE  
1:1

REV  
A0

$x \pm 0.35$	$x^\circ \pm 3.0^\circ$
$.x \pm 0.30$	$.x^\circ \pm 2.0^\circ$

CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

REMARK:

SHEET  
1/4



$.xx \pm 0.25$	$.xx^\circ \pm 1.5^\circ$
$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

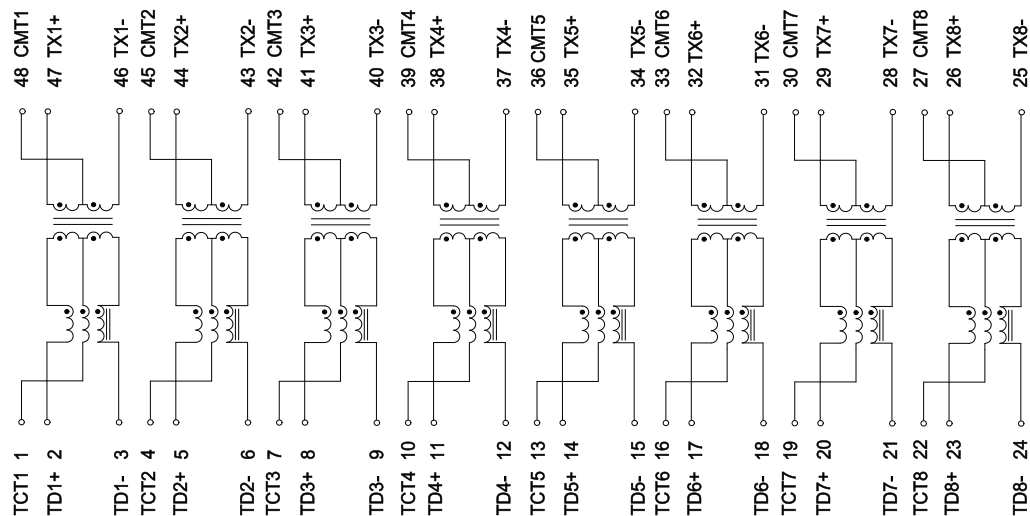
**B. SCHEMATICS**

**C. ELECTRICAL SPECIFICATIONS @25°C**

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

1. OCL: 150uH Min @ 100KHz 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1000mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.0 dB Max @ 1-100 MHz  
-2.0 dB Max @ 100-250 MHz
6. Return Loss: -16 dB Min @  $1 \leq f \leq 40$  MHz  
-16+10log(f/40) dB Min @  $40 < f \leq 250$  MHz, where f is in MHz
7. Cross Talk: -30 dB Typ @ 1-250 MHz
8. Common Mode Rejection Ratio: -30 dB Typ @ 1-250 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 30W: Each channel support 360mA DC balance current,  
Full channels support 720mA DC balance current.

Cable Side



Chip Side

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SACLE  
1:1

REV  
A0

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°

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SHEET  
2/4

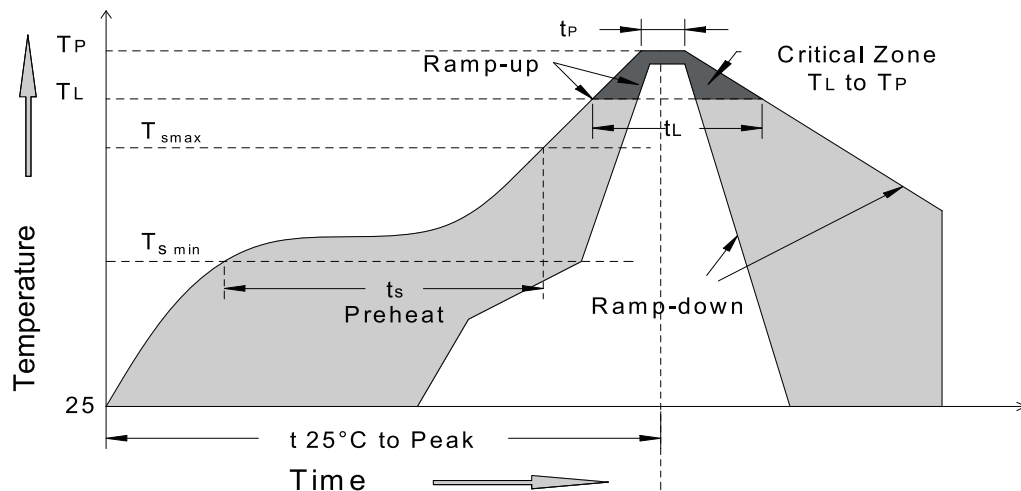


.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

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Sunny.Xu

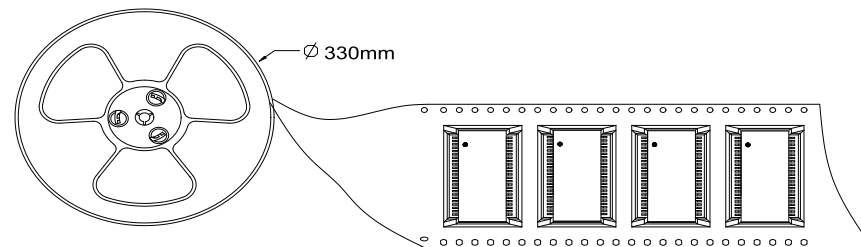
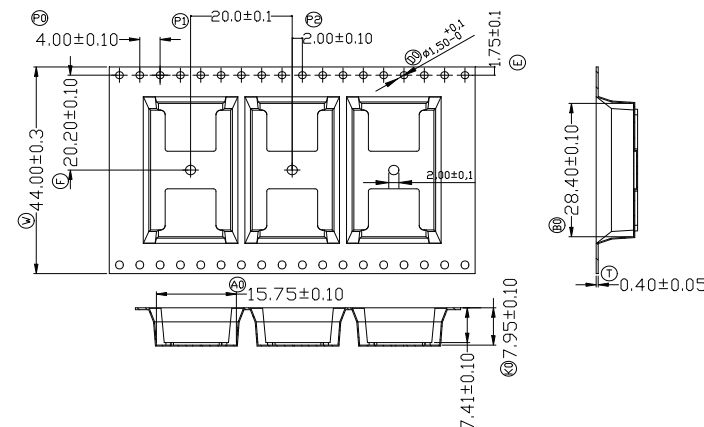
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**D. RECOMMEND REFLOW SOLDERING CURVE**



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 T<sub>p</sub>=250+/-3°C Time within 5°C of actual Peak Temperature (t<sub>p</sub>): 20~40s  
T<sub>s min</sub>=150°C T<sub>s max</sub>=200°C T<sub>s min</sub> to T<sub>s max</sub>: 60s-180s, 25°C to peak Temperature: 8minutes max

**E. PACKAGE INFORMATION**



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PART NO.:  
WHSQ48002P1

SACLE  
1:1  
REV  
A0

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°

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REMARK:

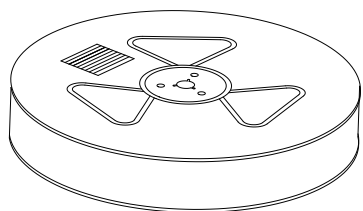
SHEET  
3/4



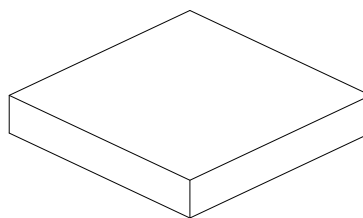
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

DESIGND BY:  
Sunny.Xu

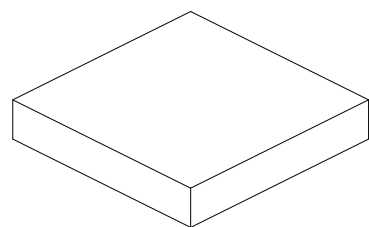
REACH & RoHS  
COMPLIANT



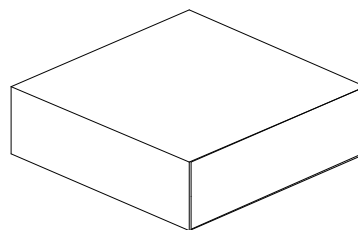
Two Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:  
 One Reel=350Pcs  
 One Inner Carton=350\*2=700Pcs  
 One Export Carton=700\*2=1400Pcs

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SACLE  
1:1  
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x±0.35	x°±3.0°
.x±0.30	.x°±2.0°

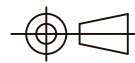
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REMARK:

SHEET  
4/4



.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

DESIGND BY:  
Sunny.Xu