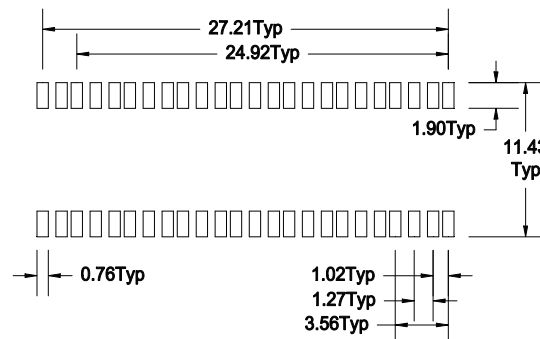
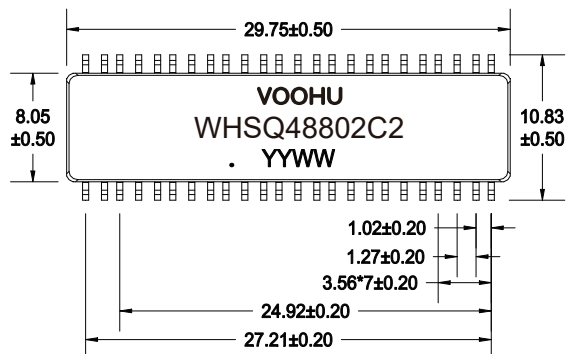
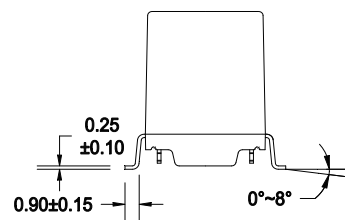
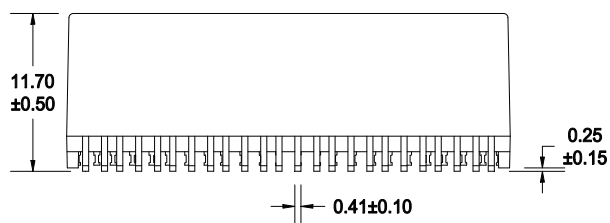


REACH & RoHS  
COMPLIANT

A. MECHANICAL(unit:mm)



Suggested PAD Layout



**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.:  
WHSQ48802C2

SACLE  
1:1

REV  
A0

$x \pm 0.35$   
 $.x \pm 0.30$

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

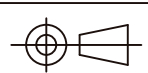
CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

REMARK:

SHEET  
1/4



$.xx \pm 0.25$   
 $.xxx \pm 0.10$

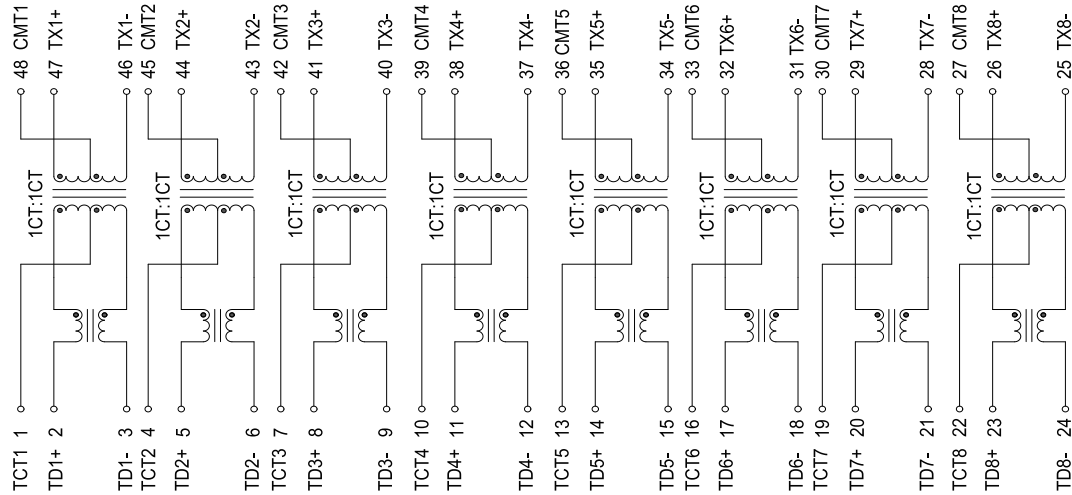
$.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

DESIGND BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

**B. SCHEMATICS**

Cable Side



Chip Side

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

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

1. OCL: 150uH Min @ 100KHz 0.1V with 15mA DC BIAS
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 @ 100-200 MHz
6. Return Loss: -16 dB Min @ 1 ≤ f ≤ 40 MHz  
-16+10log(f/40) dB Min @ 40 < f ≤ 200 MHz, where f is in MHz
7. Cross Talk: -30 dB Typ @ 1-200 MHz
8. Common Mode Rejection Ratio: -30 dB Typ @ 1-200 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 60W: Each channel support 1200mA DC balance current

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SACLE  
1:1

REV  
A0

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°

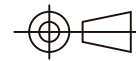
CHECKED BY:  
Elvis.Song

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WEB: WWW.WOHU-TEK.COM

REMARK:

SHEET  
2/4

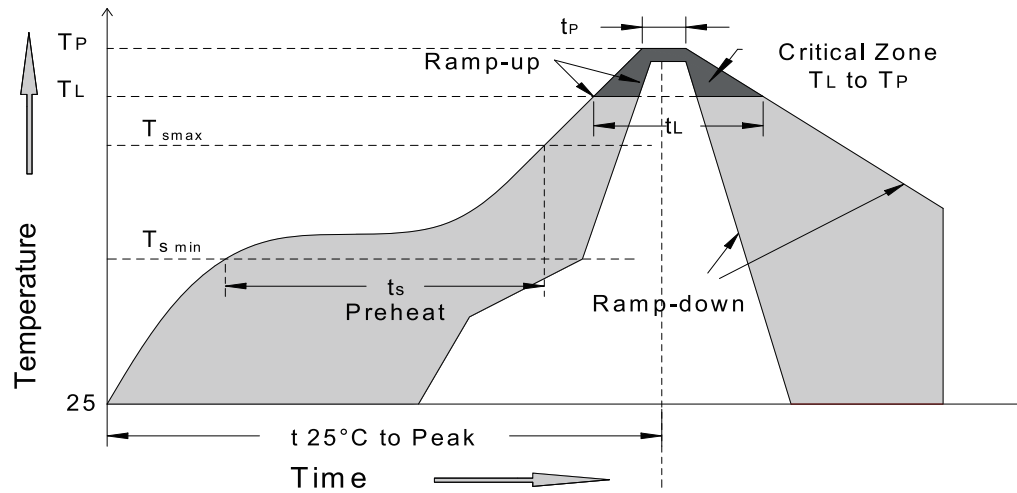


.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

DESIGND BY:  
Sunny.Xu

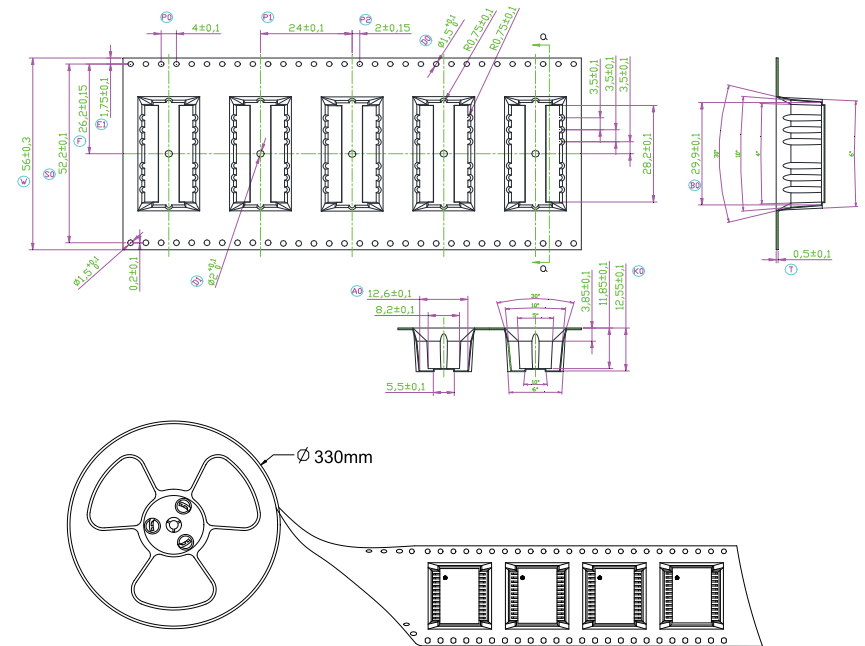
REACH & RoHS  
COMPLIANT


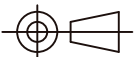
**D. RECOMMEND REFLOW SOLDERING CURVE**



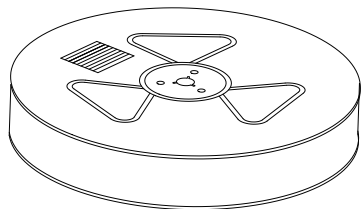
MSL:  
Grade: 1 level. Floor life: 0.5 year Condition:  $\leq 30^{\circ}\text{C}/60\%\text{RH}$ .  
Ramp up rate =  $3^{\circ}\text{C}/\text{s}$  max Ramp down rate =  $6^{\circ}\text{C}/\text{s}$  max  
TL =  $217^{\circ}\text{C}$  tL = 60s-150s Tp =  $250 \pm 3^{\circ}\text{C}$  Time within  $5^{\circ}\text{C}$  of actual Peak Temperature (tp): 20~40s  
Ts min =  $150^{\circ}\text{C}$  Ts max =  $200^{\circ}\text{C}$  Ts min to Ts max: 60s-180s, 25°C to peak Temperature: 8minutes max

**E. PACKAGE INFORMATION**

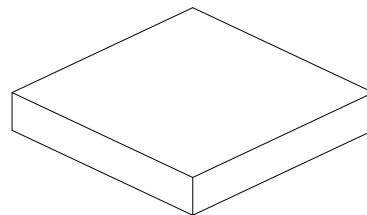


A	 <b>苏州沃虎电子科技有限公司</b> Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: 2.5/5G BASE-T Laser Marking	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
			PART NO.: WHSQ48802C2	SACLE 1:1	REV A0	x $\pm$ 0.35 .x $\pm$ 0.30	x $^{\circ}$ $\pm$ 3.0 $^{\circ}$ .x $^{\circ}$ $\pm$ 2.0 $^{\circ}$	CHECKED BY: Elvis.Song
	TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:	SHEET 3/4		.xx $\pm$ 0.25 .xxx $\pm$ 0.10	.xx $^{\circ}$ $\pm$ 1.5 $^{\circ}$ .xxx $^{\circ}$ $\pm$ 1.0 $^{\circ}$	DESIGND BY: Sunny.Xu

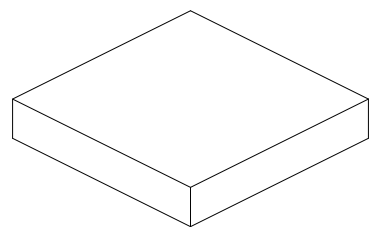
REACH & RoHS  
COMPLIANT



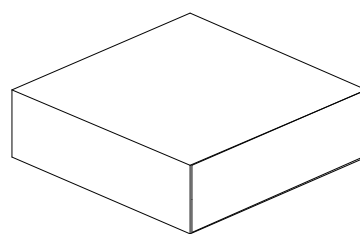
one reel



Inner Carton



five Inner Carton



Export Carton

Package Quantity:  
 One Reel=190Pcs  
 One Inner Carton=190\*1=190Pcs  
 One Export Carton=190\*5=950Pcs

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REMARK:

SHEET  
 4/4



$.xx \pm 0.25$   
 $.xxx \pm 0.10$

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

DESIGND BY:  
 Sunny.Xu