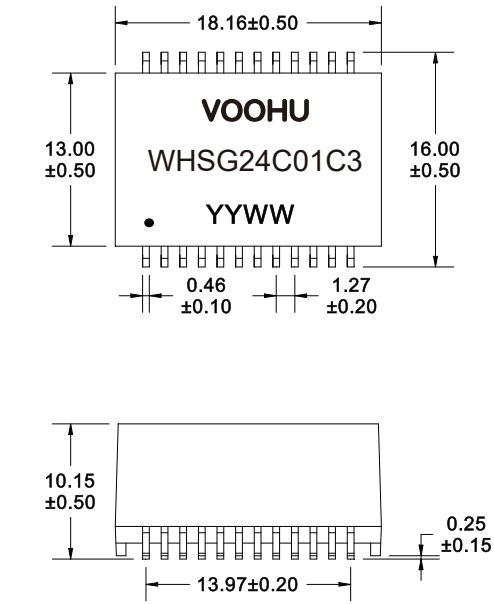
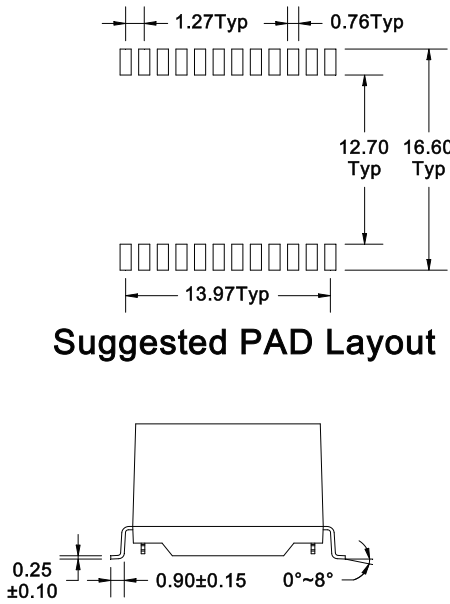


REACH & RoHS
COMPLIANT

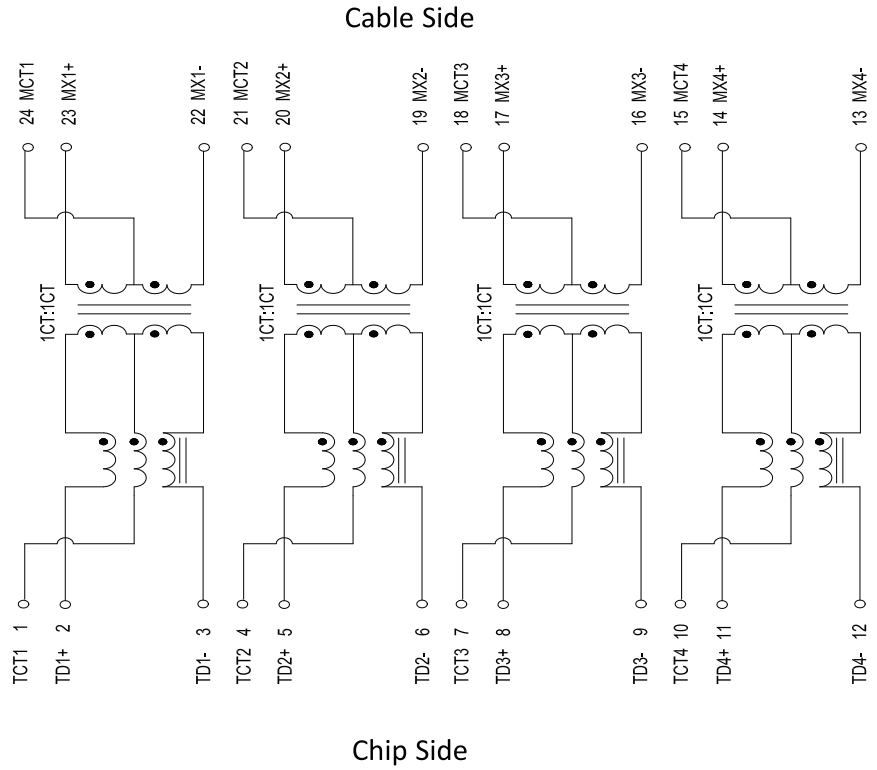
A. MECHANICAL(unit:mm)

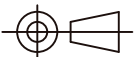


Suggested PAD Layout



B. Schematics



A	 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: 100/1000 BASE-T	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
			PART NO.: WHSG24C01C3	SCALE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: Elvis.Song
	TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:	SHEET 1/3		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGNED BY: Sunny.Xu

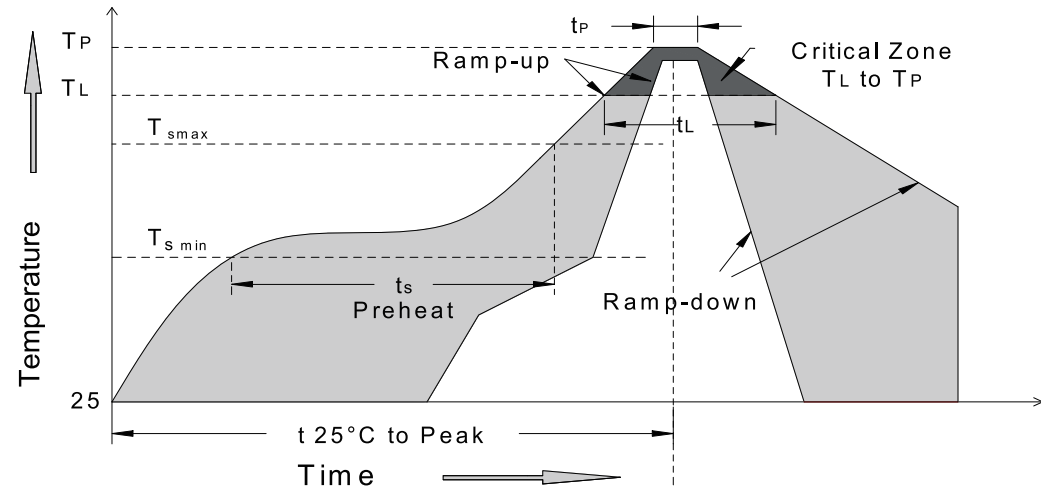
REACH & RoHS
COMPLIANT

C. ELECTRICAL SPECIFICATIONS @25℃

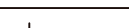
Unless Otherwise Specified, Testing is Performed at 25℃ ± 5℃

- 1. OCL: 350uH Min @ 100 KHz, 0.1V 21mA 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 -40℃ to +85℃(Includ The Temperature Rise)
- 11. Storage temperature -40℃ to +85℃
- 12.PoE Support 60W: Each channel support 1200mA DC balance current

D. RECOMMEND REFLOW SOLDERING CURVE

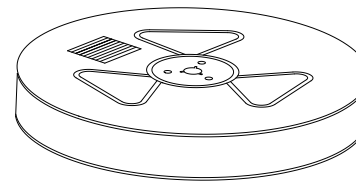
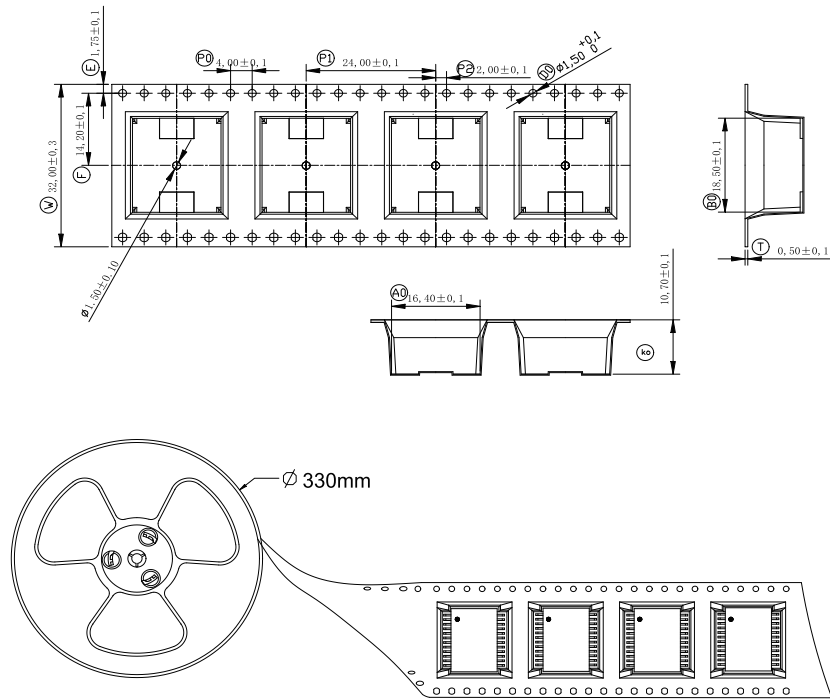


MSL:
Grade: 1 level. Floor life: 0.5 year Condition:≤30℃/60%RH.
Ramp up rate=3℃/s max Ramp down rate=6℃/s max
TL=217℃ tL=60s-150s Tp=250+/-3℃ Time within 5℃ of actual Peak Temperature (tp): 20~40s
Ts min=150℃ Ts max=200℃ Ts min to Ts max: 60s-180s, 25℃ to peak Temperature: 8minutes max

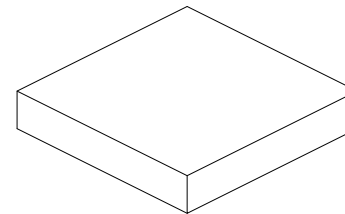
 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: 100/1000 BASE-T	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
		PART NO.: WHS24C01C3	SCALE 1:1	REV A0	.x±0.35 .x°±3.0°	CHECKED BY: Elvis.Song	
TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:	SHEET 2/3		.xx±0.25 .xx°±1.5°	DESIGNED BY: Sunny.Xu	
					.xxx±0.10 .xxx°±1.0°		

REACH & RoHS
COMPLIANT

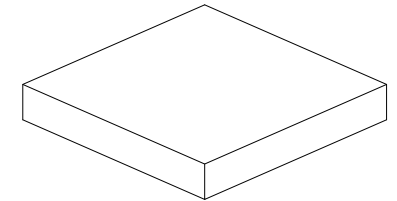
E. Packaging specification



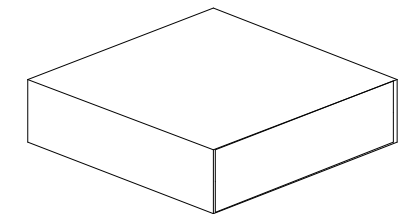
Two Reel



Five Inner Carton



Inner Carton



Export Carton

Package Quantity:

One Reel=200Pcs

One Inner Carton=200*2=400Pcs

One Export Carton=400*5=2000Pcs

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

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

TITLE:
100/1000 BASE-T

PART NO.:
WHSG24C01C3

REMARK:

SIZE
A4

SCALE
1:1

SHEET
3/3

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

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

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

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

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

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGNED BY:
Sunny.Xu