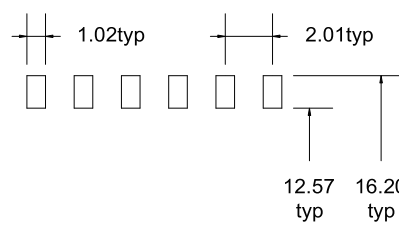
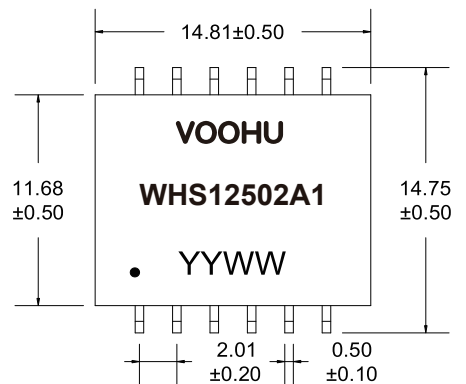
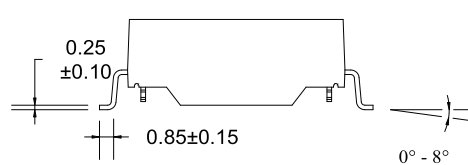
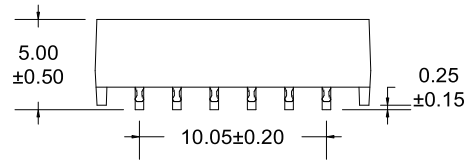


REACH & RoHS
COMPLIANT

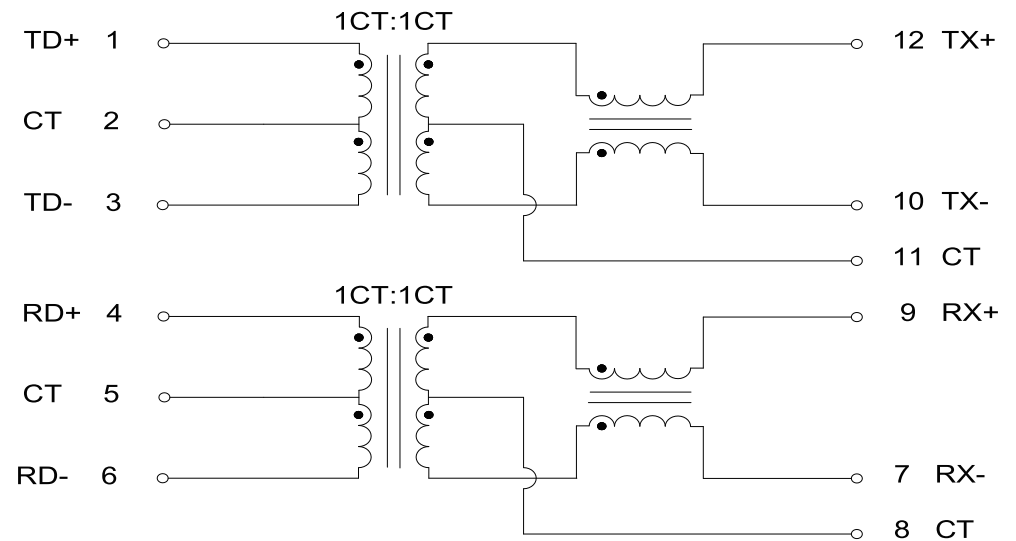
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. Schematics



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

TITLE:
10/100Base-TX

PART NO.:
WHS12502A1

REMARK: BMS Application
Meet AEC-Q200 Standard

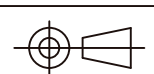
SIZE
A4

SACLE
1:1

SHEET
1/3

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

DESIGND BY:
Sunny.Xu

TEL: +86 400 1048 018

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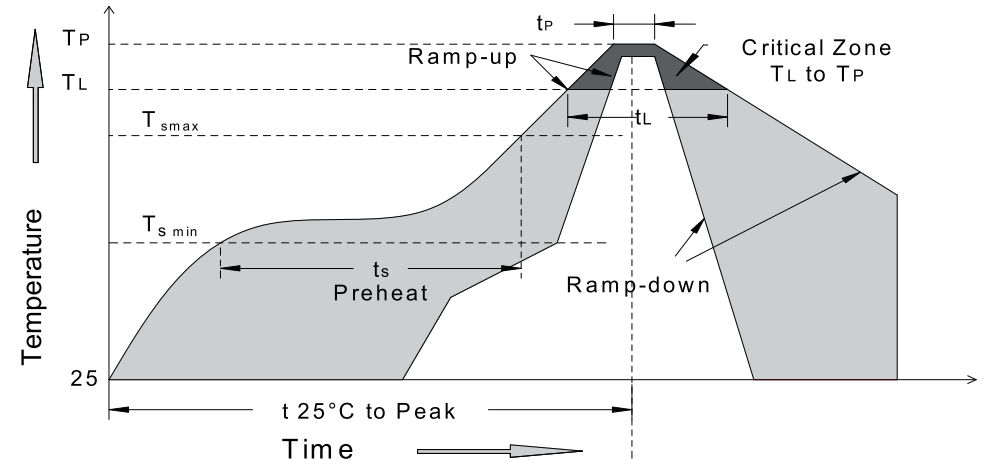
REACH & RoHS
COMPLIANT

C. ELECTRICAL SPECIFICATIONS @25℃

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

1. OCL: 150 uH Min @ 100 KHz, 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: Pri-750mΩ Max, Sec-1100mΩ Max
4. Turns Ratio: 1CT:1CT±2%
5. Insertion Loss: -0.4 dB Max @ 4 MHz
6. Return Loss: -20 dB Min @ 4 MHz
7. Cross Talk: -50 dB Min @ 4 MHz
8. CMRR: -35 dB Min @ 1-10 MHz
-20 dB Min @ 10-100 MHz
9. Isolation Hipot: 4300VDC 1mA 60S or 3700VAC 1mA 2S
10. Operating temperature -40℃ to +125℃
11. Storage Temperature(With Package): +10℃ to +40℃
12. Storage Temperature(Without Package, Just For Components): -40℃ to +125℃
13. Qualification: AEC-Q200

D. RECOMMEND WAVE 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

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MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:
Geoffrey.Song

PART NO.:
WHS12502A1

SACLE
1:1

REV
A0

x±0.35
.x±0.30

x°±3.0°
.x°±2.0°

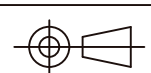
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REMARK: BMS Application
Meet AEC-Q200 Standard

SHEET
2/3



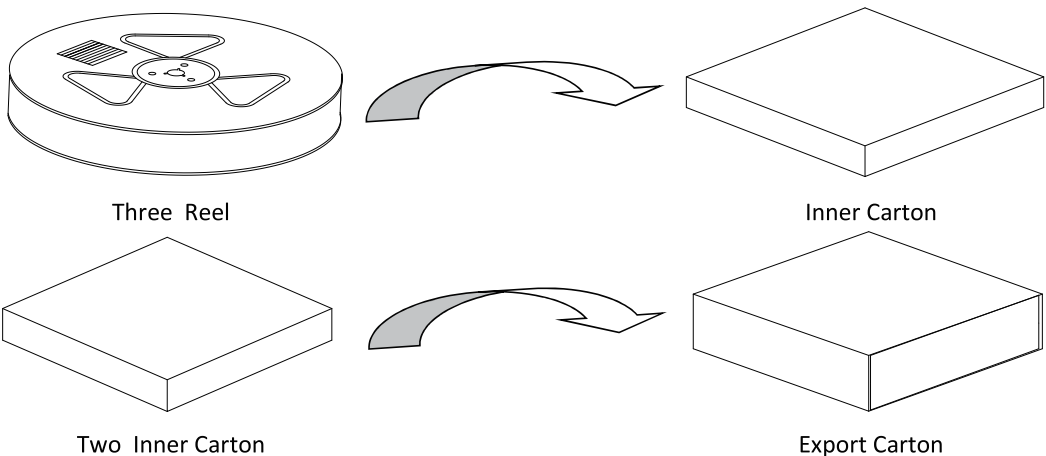
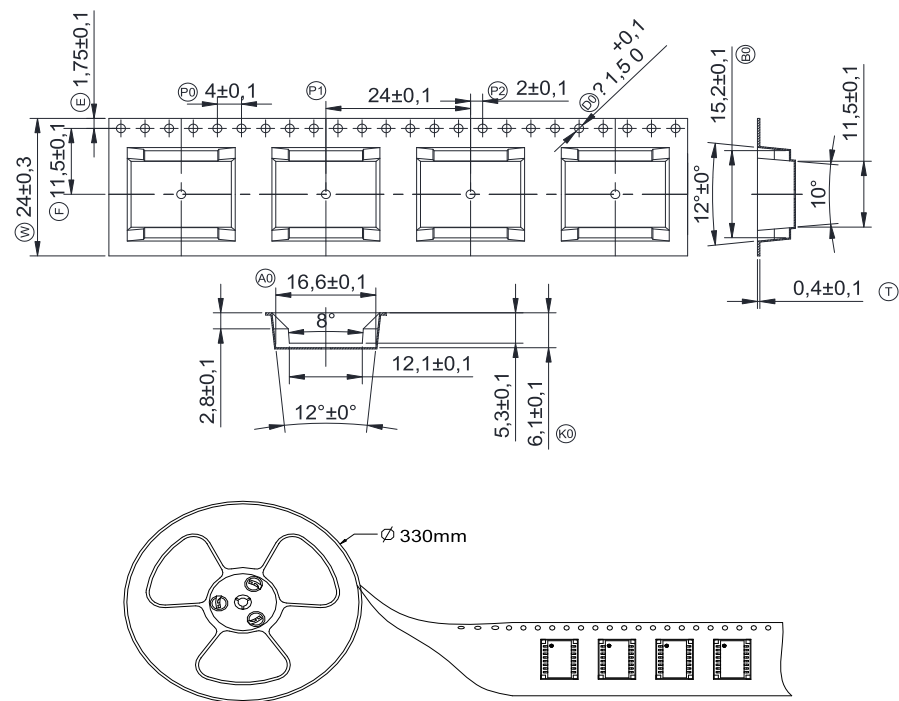
.xx±0.25
.xxx±0.10

.xx°±1.5°
.xxx°±1.0°


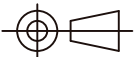
DESIGND BY:
Sunny.Xu

REACH & RoHS
COMPLIANT

E. Packaging specification



Package Quantity:
One Reel=300Pcs
One Inner Carton=300*3=900Pcs
One Export Carton=900*2=1800Pcs

A	 苏州沃虎电子科技有限公司 Su Zhou Vohu Electronic Tech.Co.Ltd		TITLE: 10/100Base-TX	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
			PART NO.: WHS12502A1	SACLE 1:1	REV A0	.xx±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: BMS Application Meet AEC-Q200 Standard	SHEET 3/3		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu