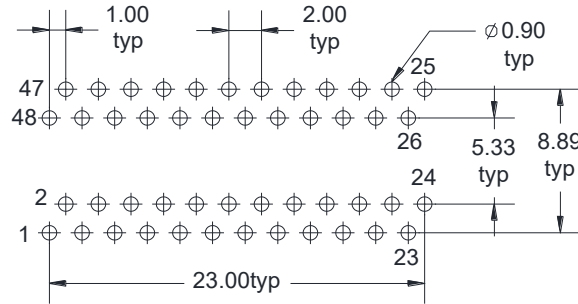
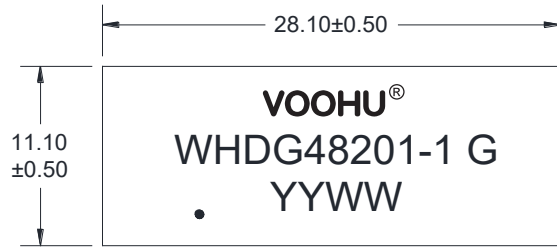
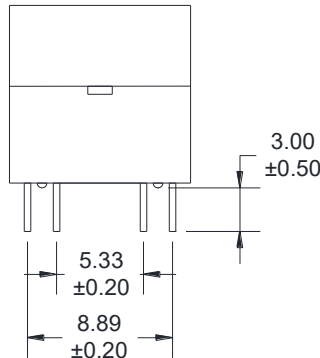
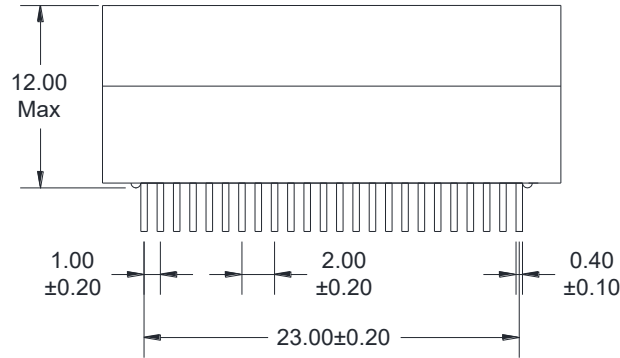


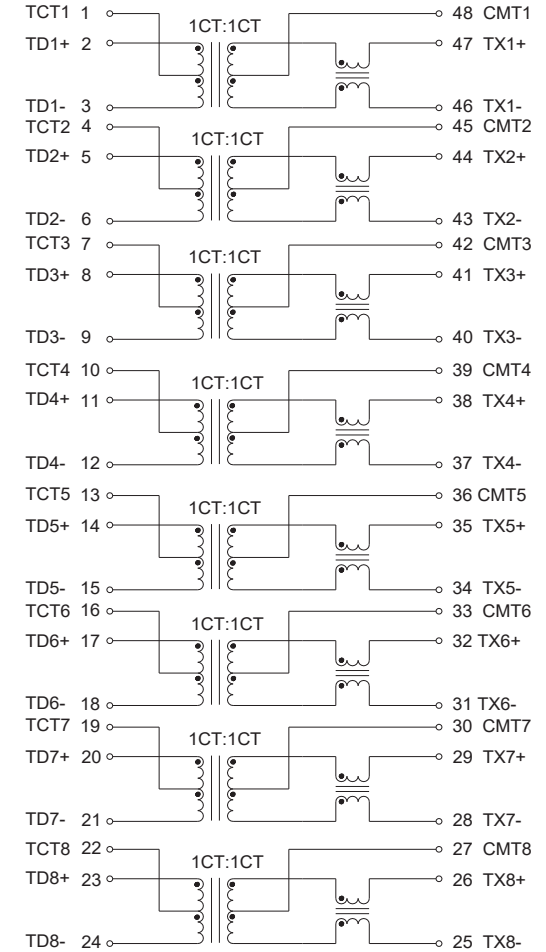
## A. MECHANICAL(unit:mm)



Suggestde 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:  
100/1000 BASE-T

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
WHDG48201-1 G

SACLE  
1:1

REV  
A0

$x \pm 0.35$   
 $.x \pm 0.30$   
 $.xx \pm 0.25$   
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$   
 $.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

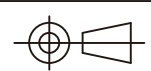
CHECKED BY:  
Elvis.Song  
DESIGND BY:  
Sunny.Xu

TEL: +86 400 1048 018

WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

REMARK:

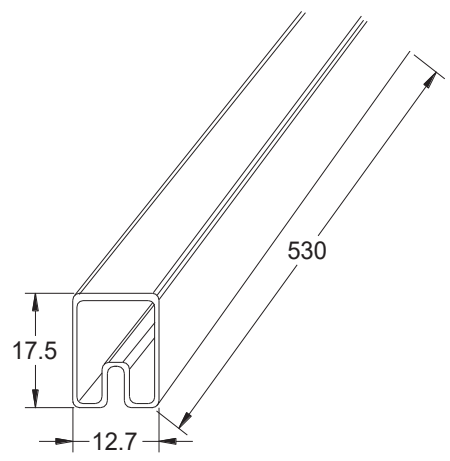
SHEET  
1/4



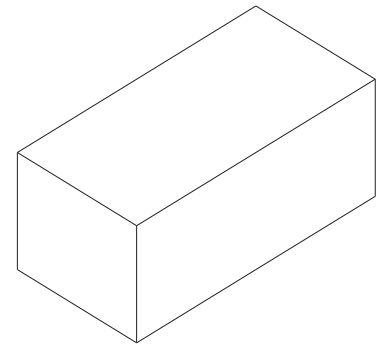
C. ELECTRICAL SPECIFICATIONS @25°C

- 1. OCL: 350 uH Min @ 100KHz, 0.1V 8mA DC BIAS
- 2. Leakage Inductance: 0.5 uH Max @ 100KHz, 0.1V
- 3. DCR: 1400 mΩ Max
- 4. Turns Ratio: 1CT:1CT±5%
- 5. Insertion Loss: -1.1 dB Max @ 1-100 MHz
- 6. Return Loss: -18 dB Min @ 1-30 MHz
  - 14.4 dB Min @ 40 MHz
  - 13.1 dB Min @ 50 MHz
  - 12 dB Min @ 60-80 MHz
  - 10 dB Min @ 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
- 11. Storage temperature -40°C to +85°C

D. PACKAGE INFORMATION

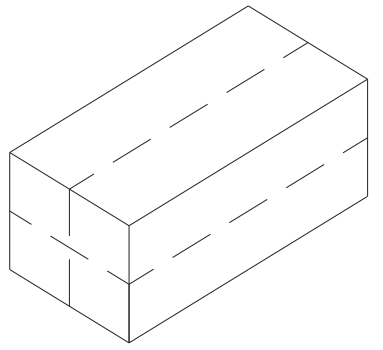


Tube: 530\*12.7\*17.5mm


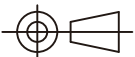


Inner Carton: L570\*W180\*H100mm

Package Quantity:  
One Tube=18Pcs  
One Inner Carton=18\*50=900Pcs  
One Export Carton=900\*4=3600Pcs



Export Carton: L580\*W380\*H240mm

|   |  |                            |              |   |  |                         |                               |
|---|--|----------------------------|--------------|---|--|-------------------------|-------------------------------|
| <div> 苏州沃虎电子科技有限公司<br/>Su Zhou Voohu Electronic Tech.Co.Ltd</div> |  | TITLE:<br>100/1000 BASE-T  | SIZE<br>A4   | UNITS<br>MM[INCH]   | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |
|   |  | PART NO.:<br>WHDG48201-1 G | SACLE<br>1:1 | REV<br>A0   | .xx±0.35<br>.x±0.30                    | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |
| TEL: +86 400 1048 018      WEB: <a href="http://WWW.WOHU-TEK.COM">WWW.WOHU-TEK.COM</a>  |  | REMARK:                    | SHEET<br>1/4 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |