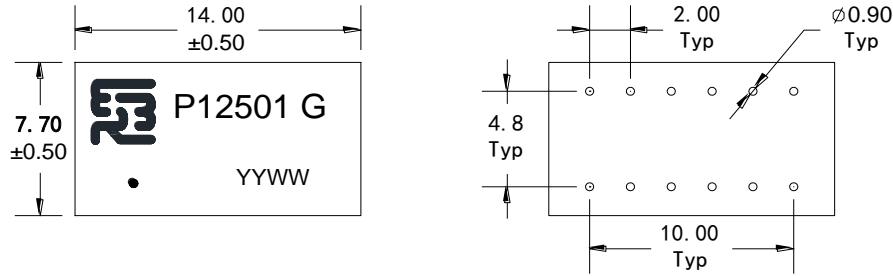


# LAN Transformer

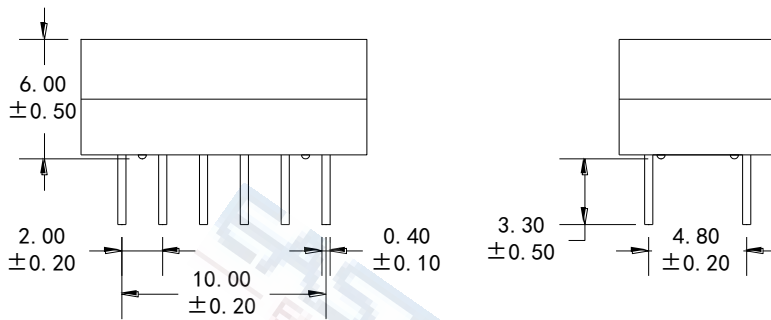
10/100 BASE-TX P12501G

REV: 0

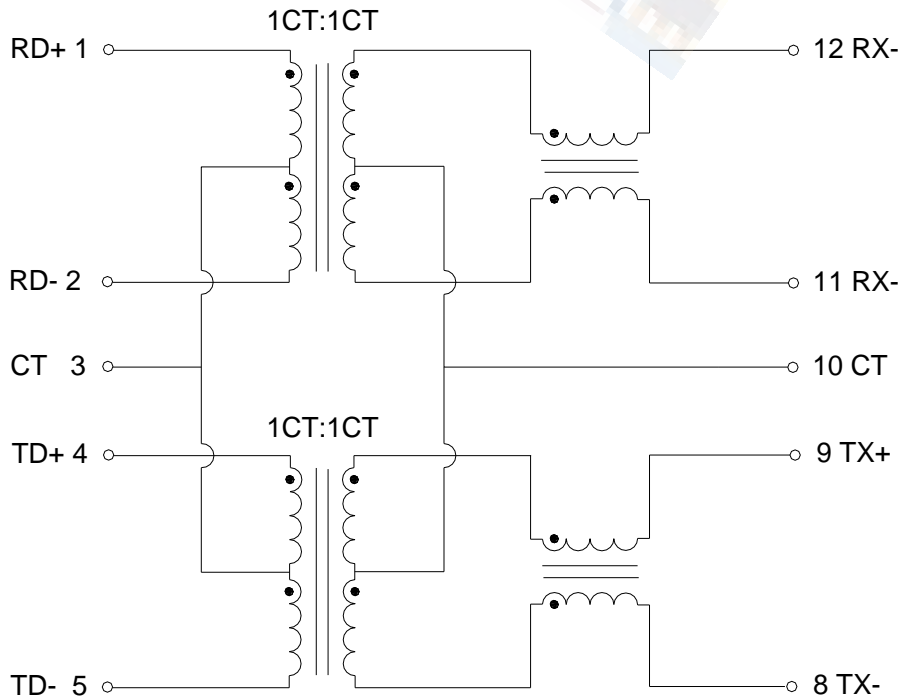
## A. MECHANICAL(unit:mm)



SUGGESTED PAD LAYOUT



## B. SCHEMATICS



# LAN Transformer

10/100 BASE-TX P12501G

REV: 0

## C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350uH Min @ 100KHz, 0.1V 8mA DC BIAS
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR : 1400mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.1 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
7. Cross Talk: -30 dB Min @ 1-100 MHz
8. Cmmon 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 -25°C to +125°C

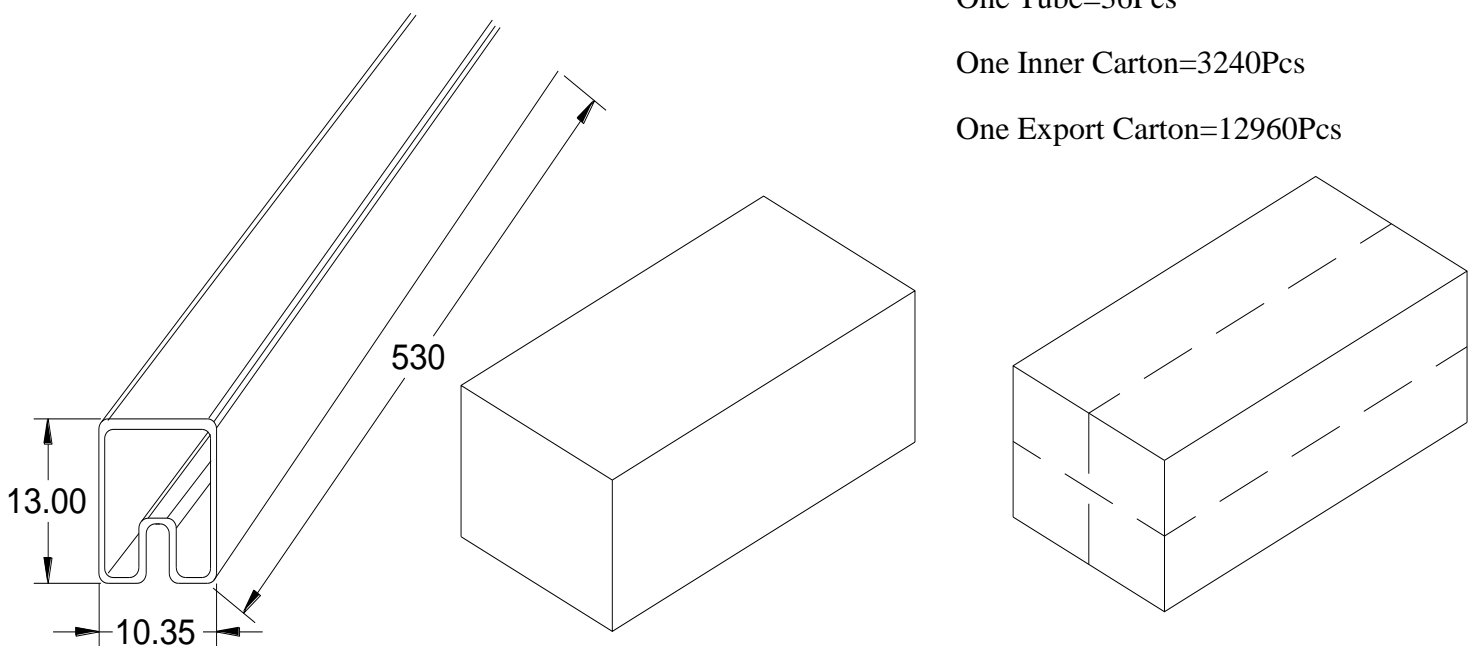
## D. PACKAGE INFORMATION

Package Quantity:

One Tube=36Pcs

One Inner Carton=3240Pcs

One Export Carton=12960Pcs



Tube: 535\*13.0\*10.35mm

Inner Carton: L570\*W180\*H100mm

Export Carton: L580\*W380\*H240mm