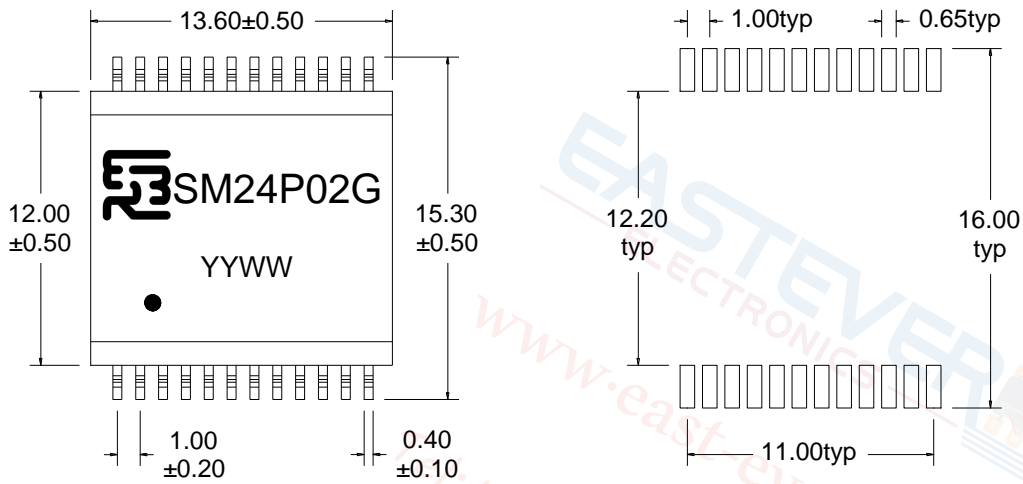


LAN Transformer

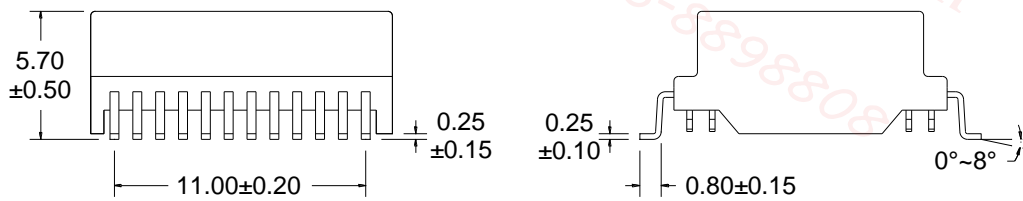
10G BASE-T SM24P02G

REV: 0

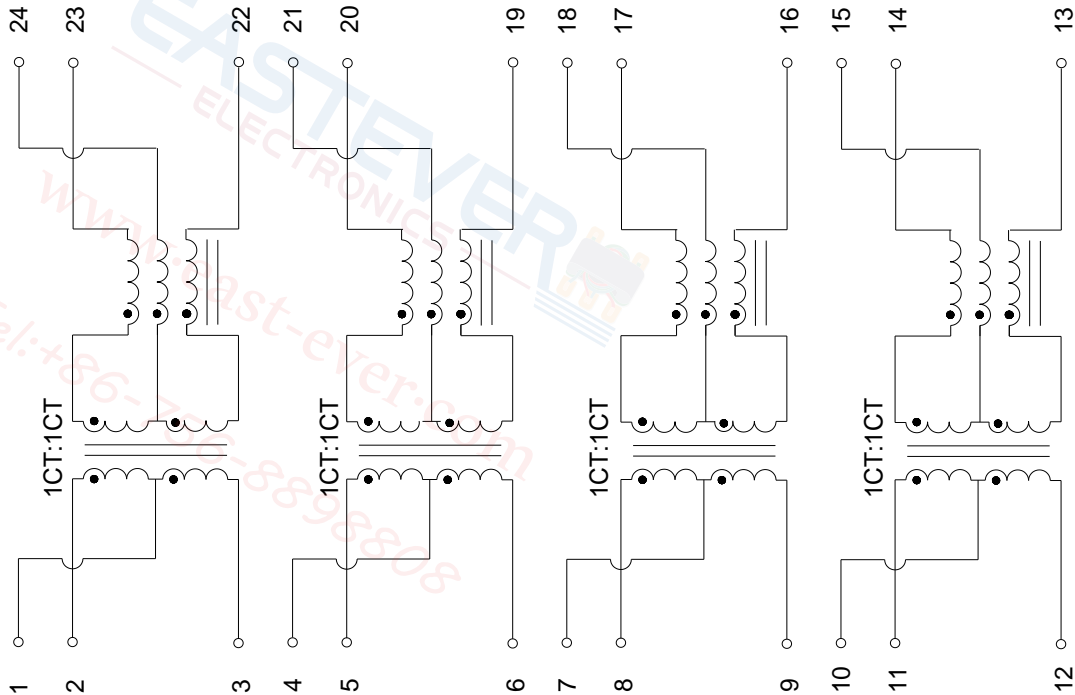
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. SCHEMATICS



LAN Transformer

10G BASE-T SM24P02G

REV: 0

C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 120 uH Min @100KHz 100mV
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 900mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2dB max @ 1~200 MHz
-1.5dB max @ 200~300 MHz
-2.0dB max @ 300~400 MHz
-3.0dB max @ 400~500 MHz
6. Return Loss: -18 dB Min @ 1~100 MHz
-16 dB Min @ 100~200 MHz
-12 dB Min @ 200~300 MHz
-10 dB Min @ 300~400 MHz
-8 dB Min @ 400~500 MHz
7. Cross Talk: -25 dB Typ @ 1-500 MHz
8. Common Mode Rejection: -25 dB Typ @ 1-500 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature 0°C to +70°C
11. Storage temperature -20°C to +125°C

D. PACKAGE INFORMATION

Package Quantity:

One Reel=450Pcs

One Inner Carton=450*2=900Pcs

One Export Carton=900*5=4500Pcs

