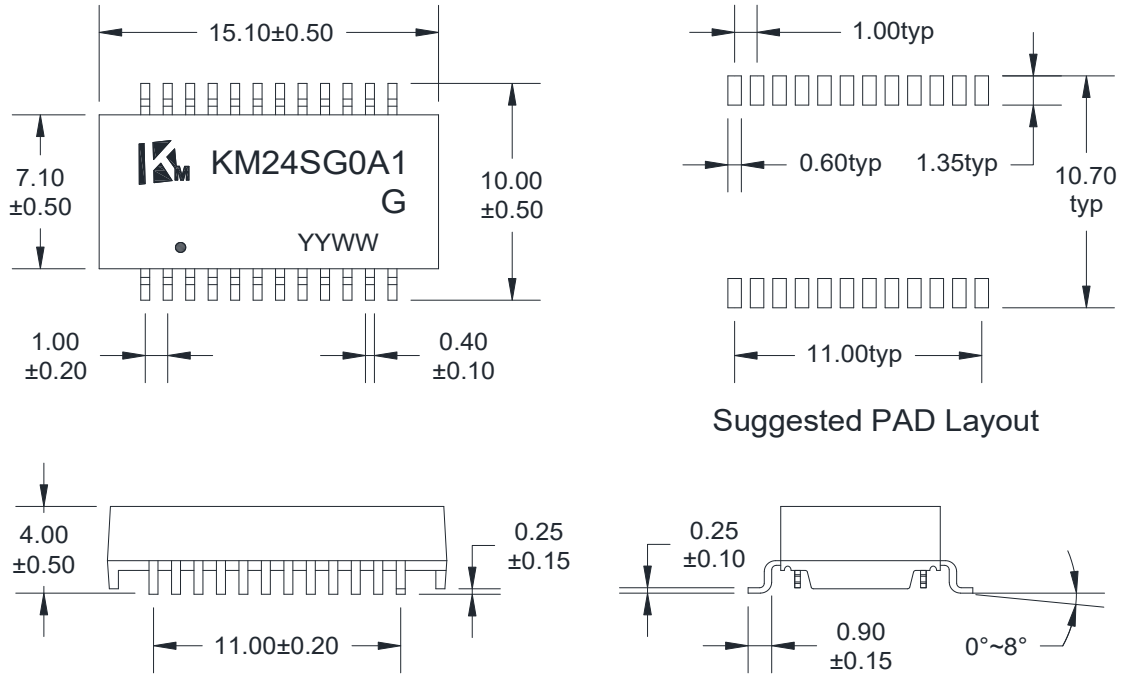




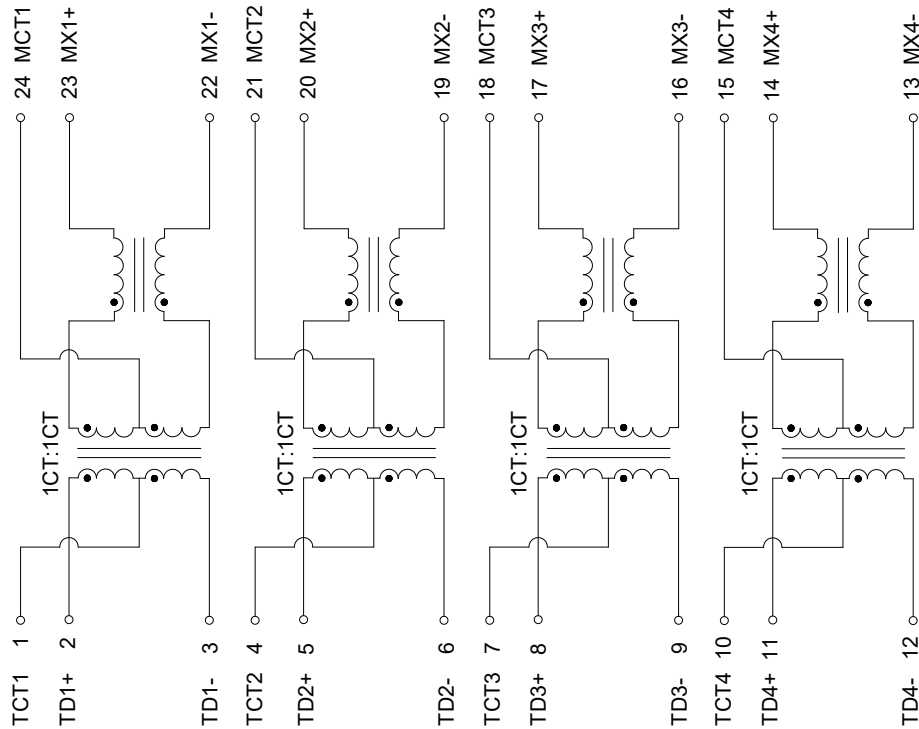




## A. MECHANICAL(unit:mm)



## B. SCHEMATICS



| DESCRIPTION | KM P/N      | SPEC NO | REV: R0   |
|-------------|-------------|---------|-----------|
| 10G BASE-T  | KM24SG0A1 G |         | PAGE: 2/4 |



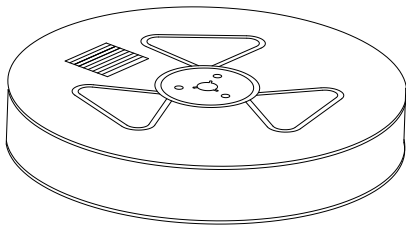
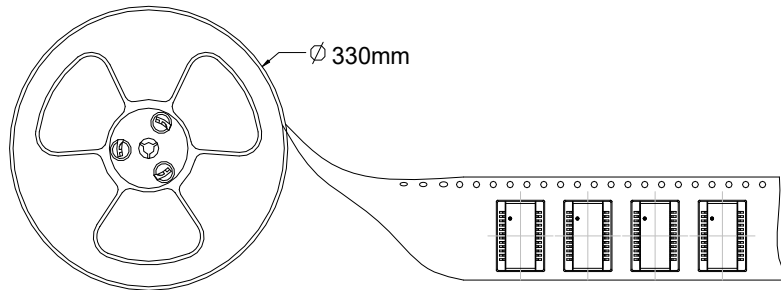
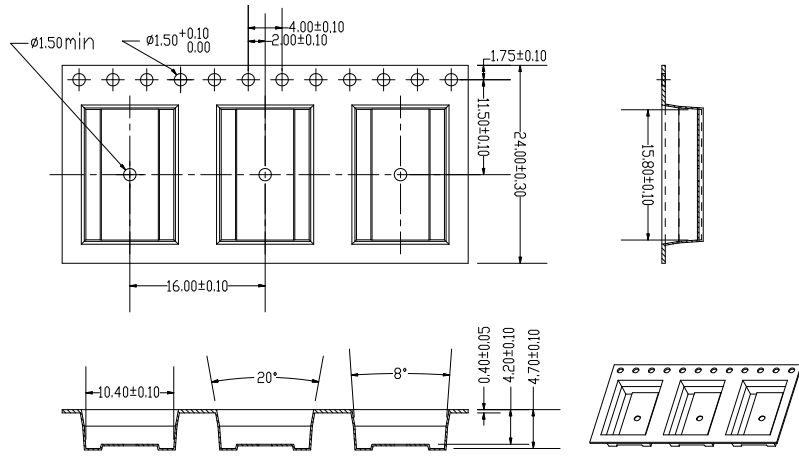
## C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 120uH Min @ 100 KHz, 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1000mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2 dB Max @ 1-200 MHz  
                           -1.5 dB 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 Min @ 1-500 MHz
8. Common Mode Rejection: -25 dBTyp Min @ 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
12. MSL: Grade: 1 Level. Floor life: 1 year Condition:<math>\leq 30^{\circ}\text{C}/60\%RH</math>

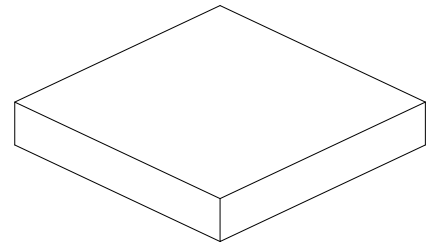
| DESCRIPTION | KM P/N      | SPEC NO | REV: R0   |
|-------------|-------------|---------|-----------|
| 10G BASE-T  | KM24SG0A1 G |         | PAGE: 3/4 |



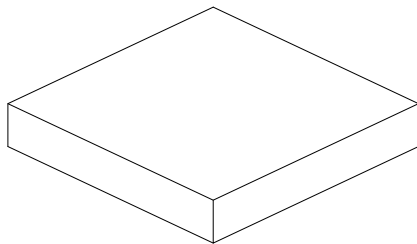
## D. PACKAGE INFORMATION



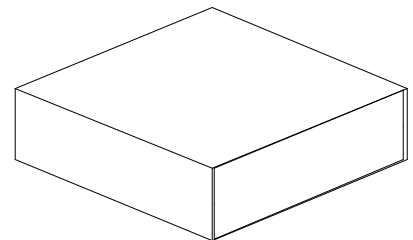
Three Reel



Inner Carton



Two Inner Carton



Export Carton

**Package Quantity:**

One Reel=800Pcs

One Inner Carton=800\*3=2400Pcs

One Export Carton=2400\*2=4800Pcs

| DESCRIPTION | KM P/N      | SPEC NO | REV: R0   |
|-------------|-------------|---------|-----------|
| 10G BASE-T  | KM24SG0A1 G |         | PAGE: 4/4 |