

APPROVED SHEET

CUSTOMER: 快特

P/N:

KM P/N: KM24SG012 G

REV: R3

DESCRIPTION: 100/1000 BASE-T

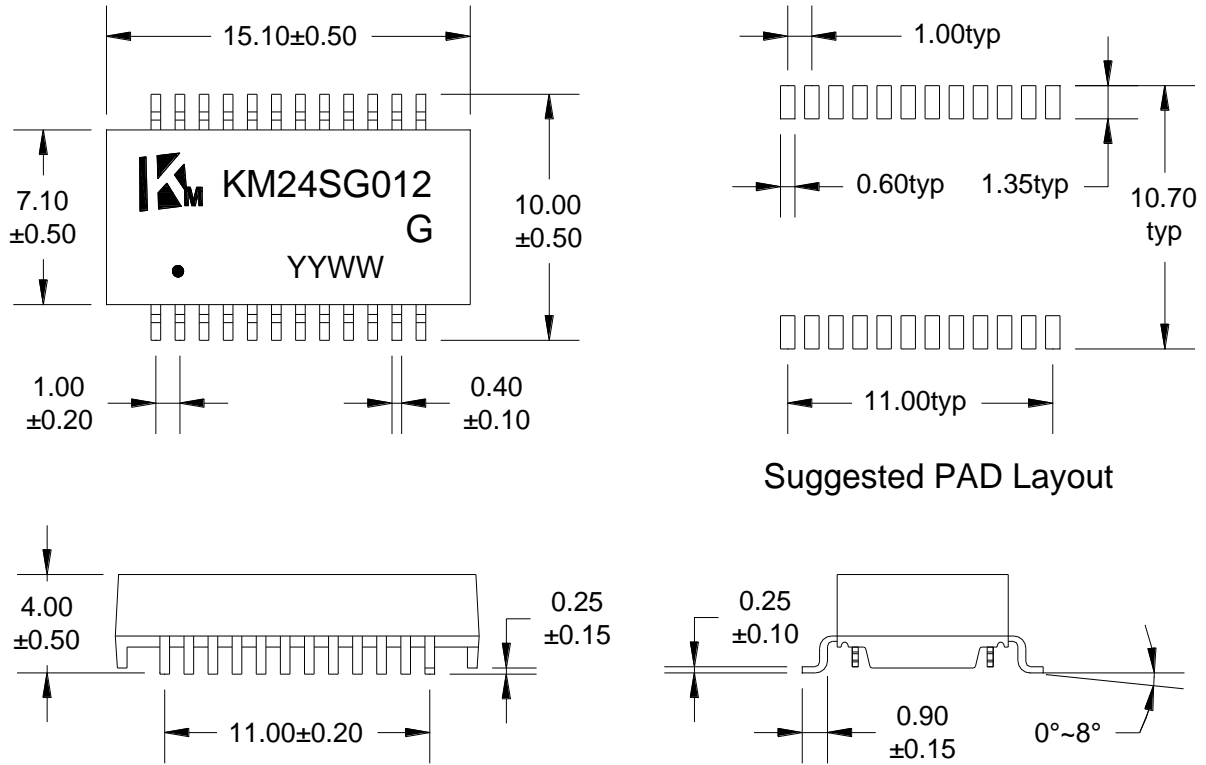
Laser Marking

| CUSTOMER APPROVAL | | COMPANY APPROVAL | |
|-------------------|--|------------------|--|
| | | | |
| INSPECTED BY: | | ISSUED BY: | |
| CHECKED BY: | | CHECKED BY: | |
| APPROVED BY: | | APPROVED BY: | |
| APPROVED DATE: | | ISSUED DATE: | |

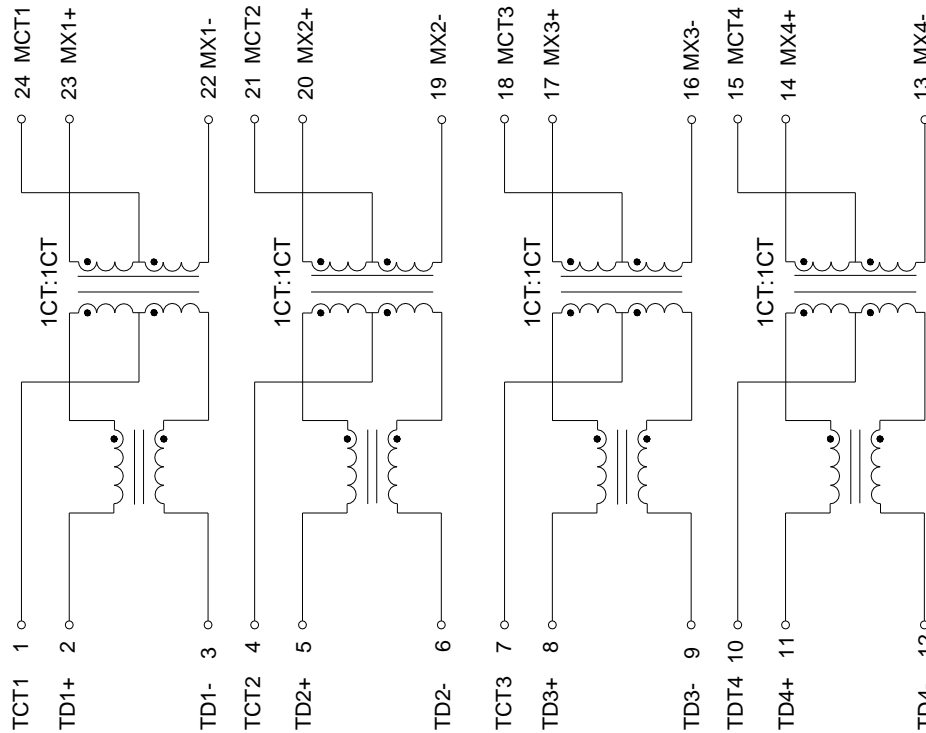
Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)



A. MECHANICAL(unit:mm)



B. SCHEMATICS



| DESCRIPTION | KM P/N | SPEC NO. | REV: R3 |
|-----------------|-------------|----------|-----------|
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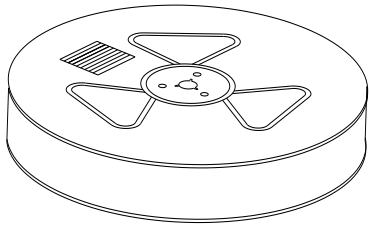
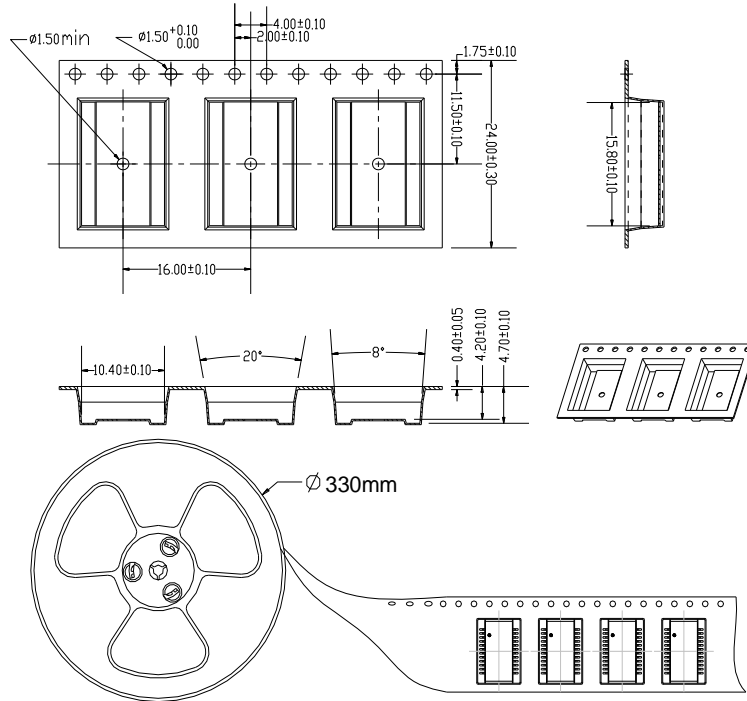
C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350 uH 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
 - 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 -25°C to +125°C
12. MSL: Grade: 1 Level. Floor life: 1 year Condition: ≤30°C/60%RH

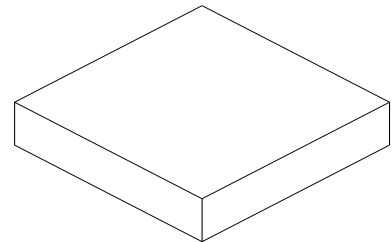
| DESCRIPTION | KM P/N | SPEC NO. | REV: R3 |
|-----------------|-------------|----------|-----------|
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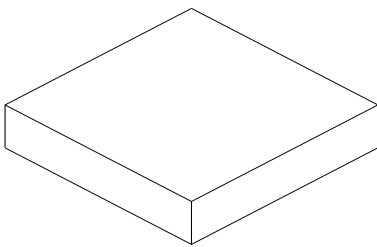
D. PACKAGE INFORMATION



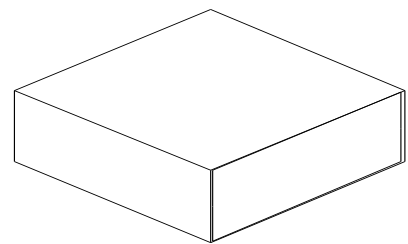
Three reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

One Reel=800Pcs

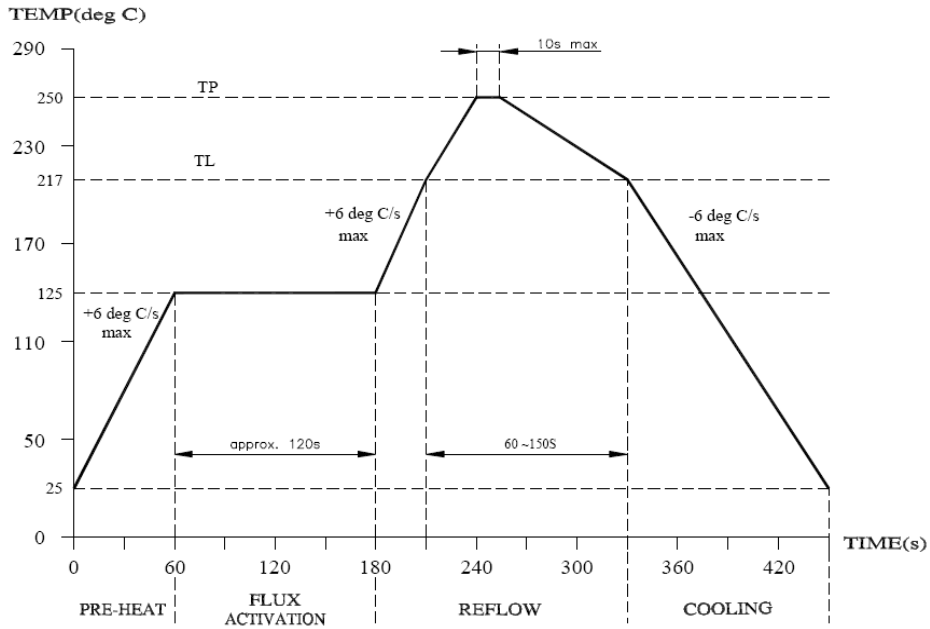
One Inner Carton=800*3=2400Pcs

One Export Carton=2400*2=4800Pcs

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E. RECOMMEND REFLOW SOLDERING CURVE



TL=217 °C tL=60s-150s Tp=250+/-3 °C Time within 5 °C of actual Peak Temperature (tp): 10s Max

Set Reflow Peak Temp: 260 °C

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