



Yx-TEK
亚湘科技

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

P/N: _____

SMD2402MG

REV: _____

R1

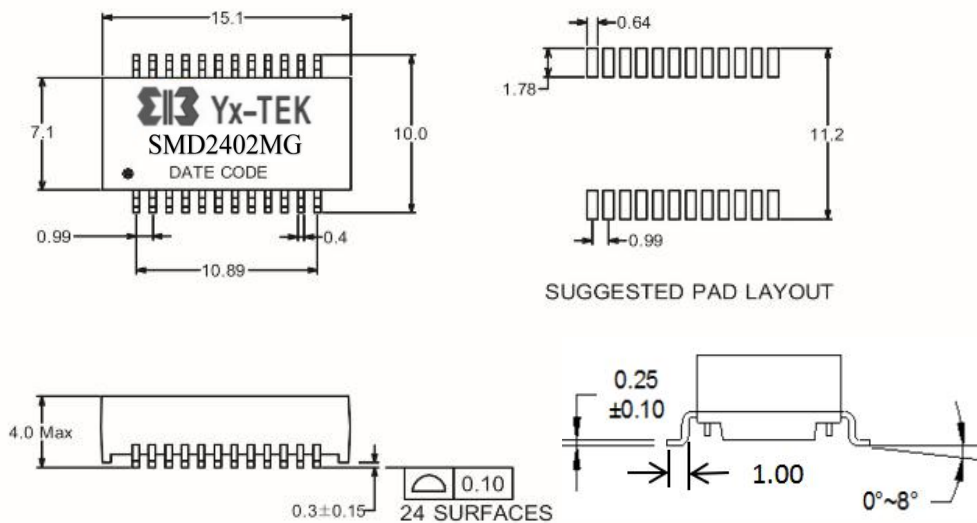
DESCRIPTION: _____

2.5G Base-T Single Port Surface Discrete LAN Magnetics

| CUSTOMER APPROVAL | | COMPANY APPROVAL | |
|-------------------|--|---|-------------|
| | |  | |
| INSPECTED BY: | | ISSUED BY: | Yang.Z |
| CHECKED BY: | | CHECKED BY: | An.L |
| APPROVED BY: | | APPROVED BY: | Mcdull |
| APPROVED DATE: | | ISSUED DATE: | Feb.04.2022 |

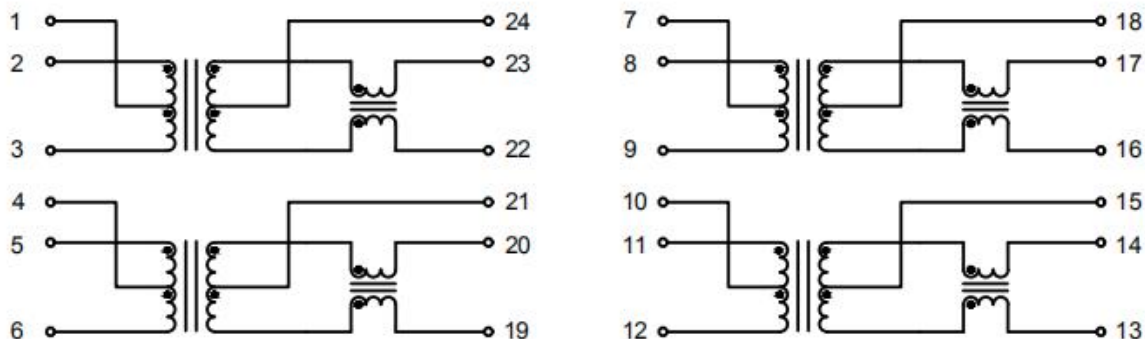
Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)

A: MECHANICAL



Unless otherwise specified all tolerances are:±0.25 in mm

B: SCHEMATICS



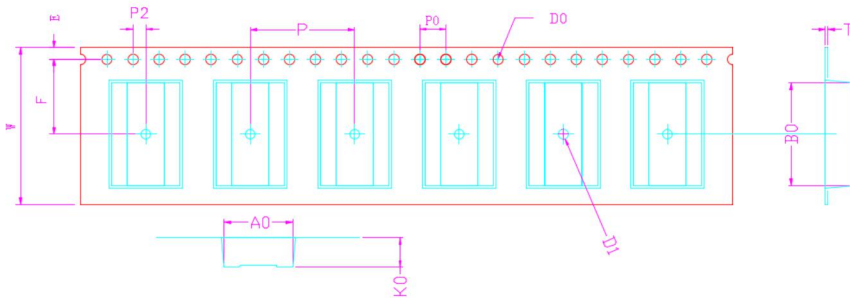
| DESCRIPTION | YX P/N | SPEC NO. | REV: R1 |
|-------------|-----------|----------|-----------|
| 2.5G BASE-T | SMD2402MG | | PAGE: 1/3 |

C. ELECTRICAL SPECIFICATIONS @25°C

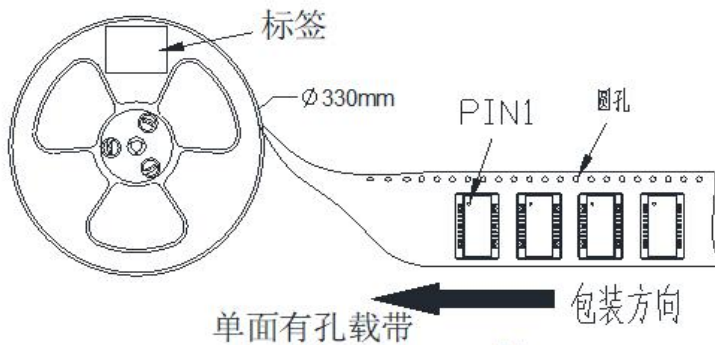
1. Complying with IEEE 802.3at standard.
- 2..OCL:180 uH Min @ 100 KHz, 0.1V .
- 3.Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
- 4.DCR: 0.9Ω Max
- 5.Cw/w: 28pF Max
- 6.Turns Ratio: 1CT:1CT±5%
- 7.Insertion Loss: -0.5 dB Max @ 1-50 MHz
-1.0dB Max @ 50-125 MHz
-2.0dB Max @ 125 -200MHz
- 8.Return Loss(@Load 100Ω): -18 dB Min @ 1-40 MHz
-18+15*log₁₀(f/40) dB Min @ 40.1-200 MHz
- 9.Cross Talk: -30dB Max @ 1-125 MHz
-22dB Min@ 125-200 MHz
- 10.DCMR : -30dB Min @30-200 MHz
- 11.Isolation Hipot: 1500VAC 1mA 60S.
- 12.Operating temperature -40°C to +85°C .
- 13.Storage temperature -40°C to +125°C .
14. MSL: grade 1.
15. Compliant RoHS-6.

| DESCRIPTION | YX P/N | SPEC NO. | REV: R1 |
|-------------|-----------|----------|-----------|
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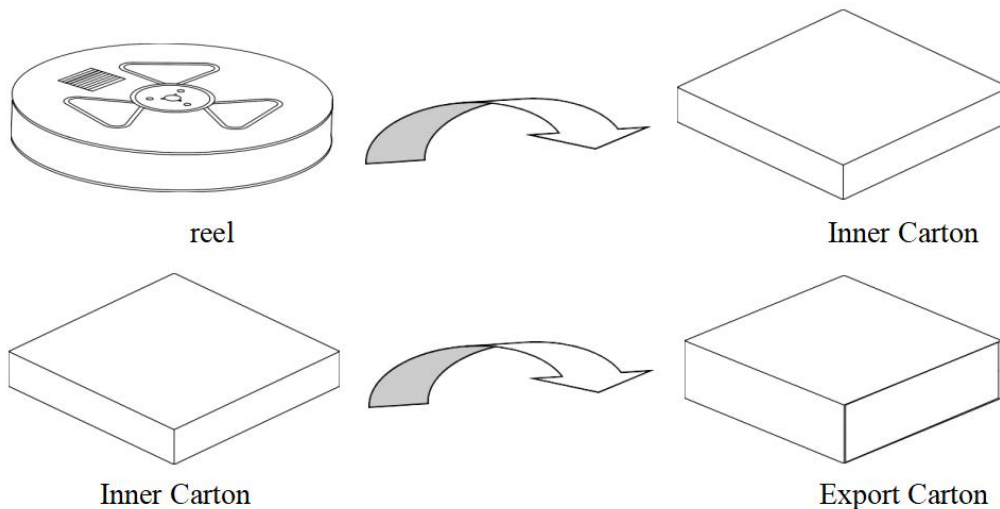
D. PACKAGE INFORMATION



| | | | |
|----|------------|----|-----------------|
| W | 24.0±0.3 | P0 | 4.00±0.1 |
| A0 | 10.20±0.15 | P2 | 2.00±0.15 |
| A1 | / | D0 | 1.50 + 0.1 / -0 |
| B0 | 15.40±0.15 | D1 | 1.50 + 0.1 / -0 |
| B1 | / | E | 1.75±0.1 |
| K0 | 4.90±0.1 | P | 16.0±0.1 |
| | / | T | 0.40±0.05 |
| F | 11.5±0.1 | | |



备注: 每卷载带前空15PCS格,后空20PCS格(靠近卷轴端为前)



Inner Carton

Export Carton

Package Quantity

One Reel=800Pcs

One Inner Carton=800*2=1600Pcs

One Export Carton=800*6=4800Pcs

| | | | |
|-------------|-----------|----------|-----------|
| DESCRIPTION | YX P/N | SPEC NO. | REV: R1 |
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