



Yx-TEK
亚湘科技

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

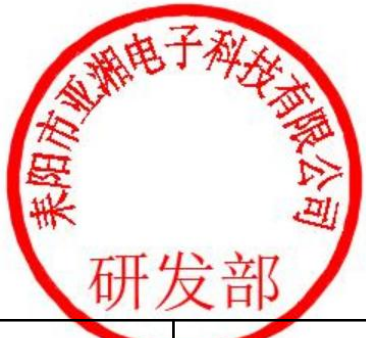
YX P/N: _____

SMD1607G

REV: _____

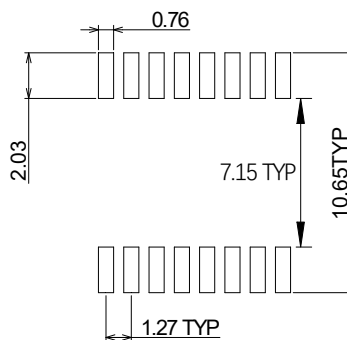
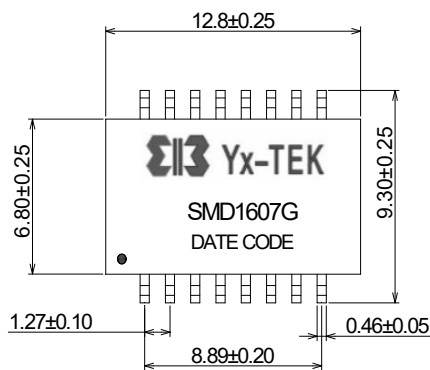
R8

DESCRIPTION: 10/100 BASE-TX Single Port Discrete LAN Magnetics

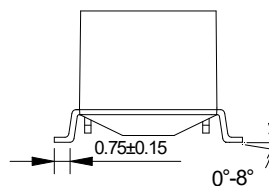
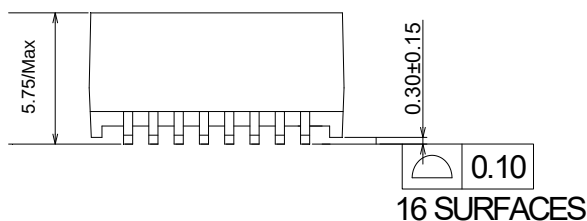
CUSTOMER APPROVAL		COMPANY APPROVAL	
			
INSPECTED BY:		ISSUED BY:	Yang.Z
CHECKED BY:		CHECKED BY:	An.L
APPROVED BY:		APPROVED BY:	Mcdull
APPROVED DATE:		ISSUED DATE:	Mar.03.2025

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

A: MECHANICAL

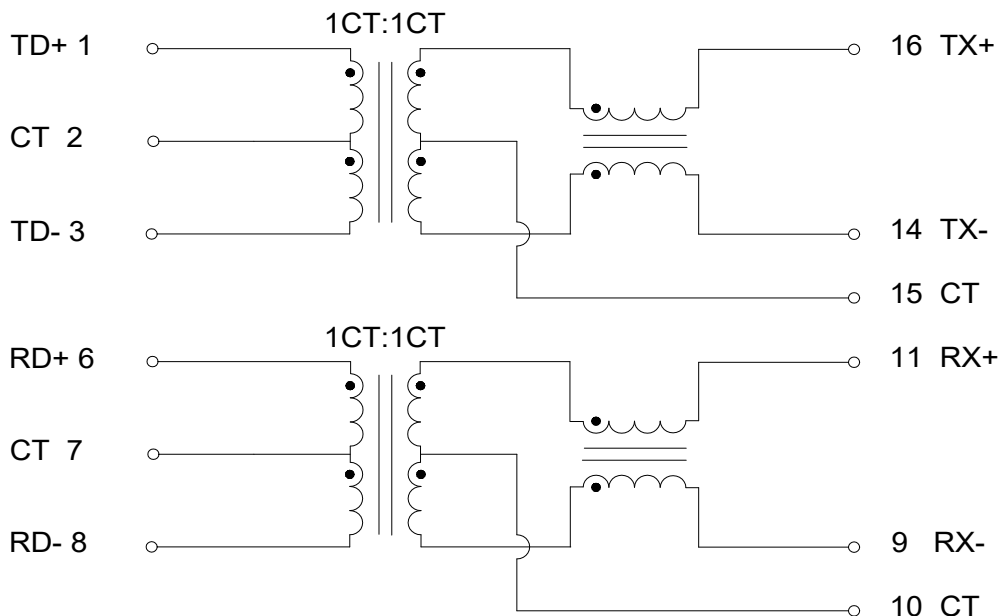


SUGGESTED PAD LAYOUT



Unless otherwise specified all tolerances are:±0.25 mm

B: SCHEMATICS

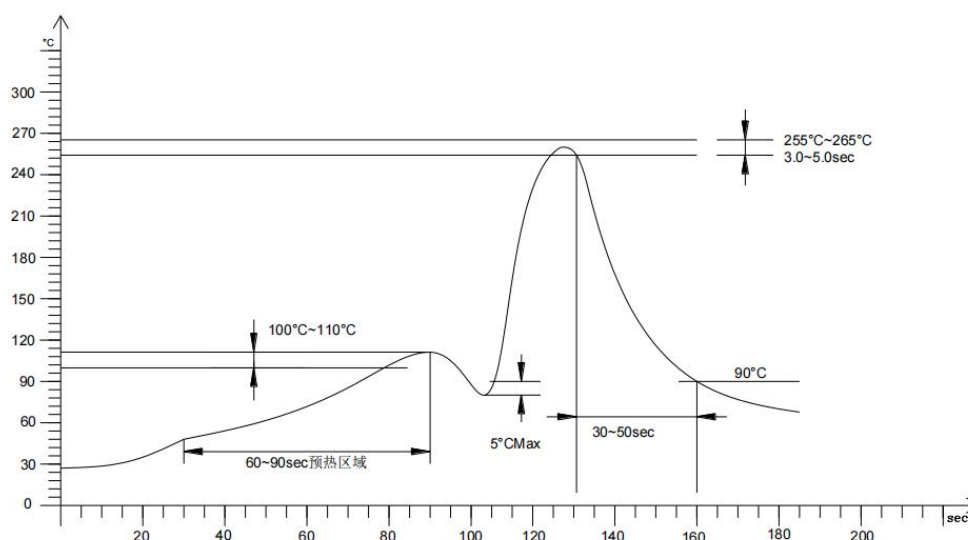


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C.ELECTRICAL SPECIFICATIONS @25℃ :

1. Compliant with IEEE 802.3u & ANSI X3.263 standards.Mid-span 350mA Applications Current Capability per PoE port /Two-pair.
- 2.OCL: 350 uH Min @ 100 KHz, 0.1V with 8mA DC Bias.
- 3.Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V.
- 4.DCR: 1400 mΩ Max.
- 5.Cww:28 pF Max.@ 100KHz, 0.1V.
- 6.Turns Ratio: 1CT:1CT±5%.
- 7.Insertion Loss: -1.1 dB Max @ 0.1-100 MHz.
- 8.Return Loss: -18 dB Min @ 0.5-30 MHz.
-18+20*log(f/30) dB Min @ 30.1-60 MHz.
-12 dB Min @ 60.1-80 MHz.
- 9.Cross Talk: -35 dB Min @ 0.5-40 MHz.
-33+20*log(f/50) dB Min @40.1-100 MHz.
- 10.Common Mode Rejection: -30 dB Min @ 0.5-100 MHz.
- 11.Isolation Hipot: 1500VAC 1mA 60S.
- 12.Operating temperature :-40℃ to +85℃.
- 13.Storage temperature: -20℃ to +105℃.
- 14.MSL:grade1.
- 15.Compliant RoHS.

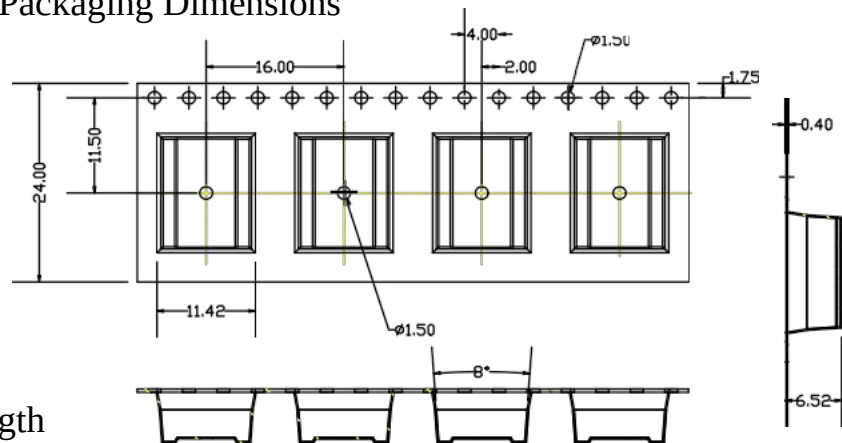
D. RECOMMEND REFLOW SOLDERING CURVE:



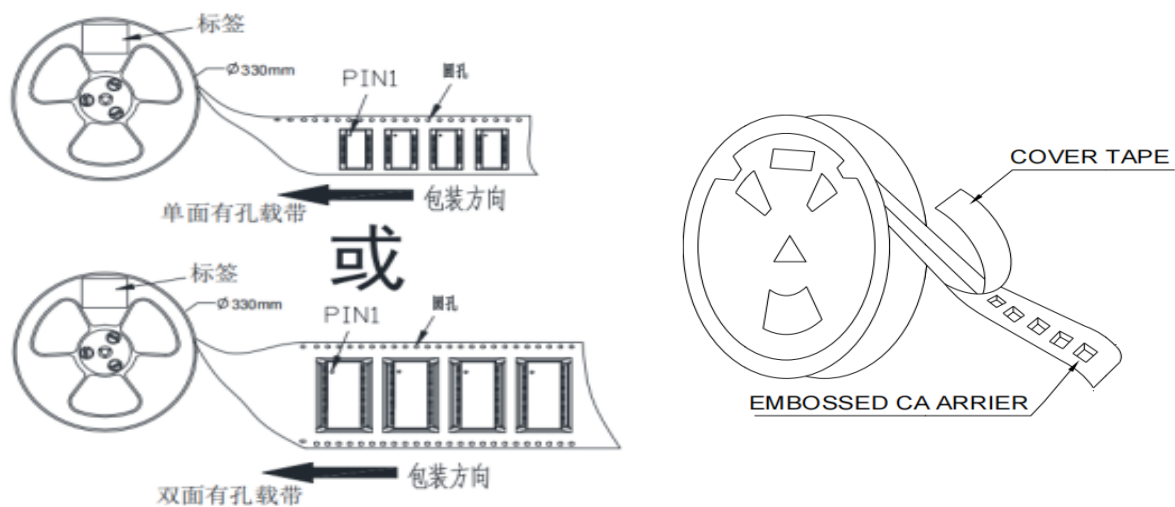
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E. PACKAGE INFORMATION

1)、Tape and Reel Packaging Dimensions

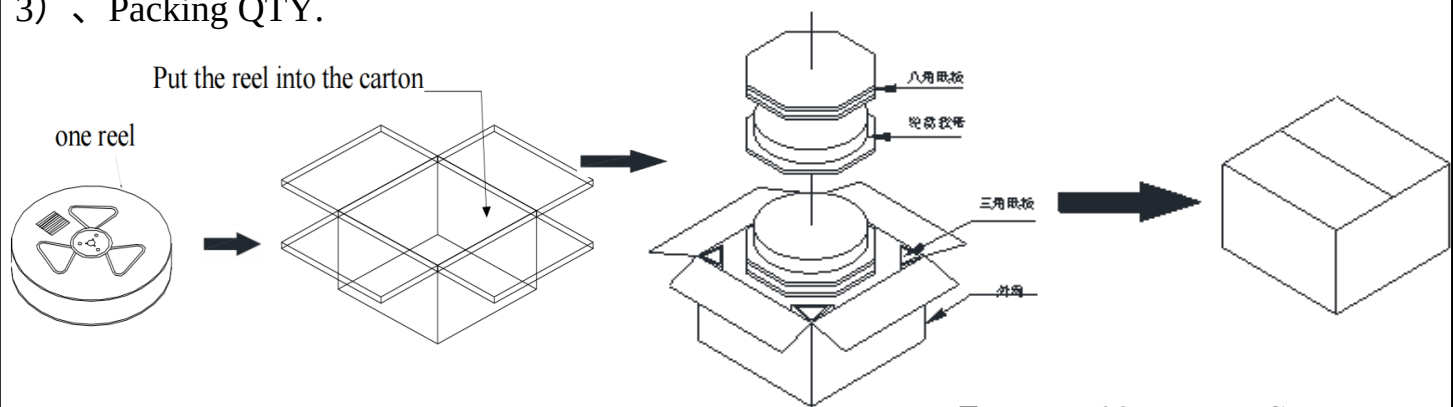


2)、Top tape strength



备注: 每卷载带前空15PCS格,后空20PCS格(靠近卷轴端为前)

3)、Packing QTY.



Export 4200 pcs per Carton

Package Quantity:

One Reel=600Pcs

One Export Carton=600*7=4,200Pcs

ABOVE PACKING IS FOR REFERENCE ONLY, WHICH MIGHT BE CHANGED WITHOUT NOTICE.

(以上包装仅供参考,可作出更改而不另行通知)。

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