



Yx-TEK
亚湘科技

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

YX P/N: SMD2402G

REV: R6

DESCRIPTION: 100/1000 BASE-T Single Port Discrete LAN Magnetics Transformer

CUSTOMER APPROVAL		COMPANY APPROVAL	
			
INSPECTED BY:		ISSUED BY:	Yang.Z
CHECKED BY:		CHECKED BY:	H.C-L
APPROVED BY:		APPROVED BY:	Mcdull
APPROVED DATE:		ISSUED DATE:	Feb.19.2025

REMARK:

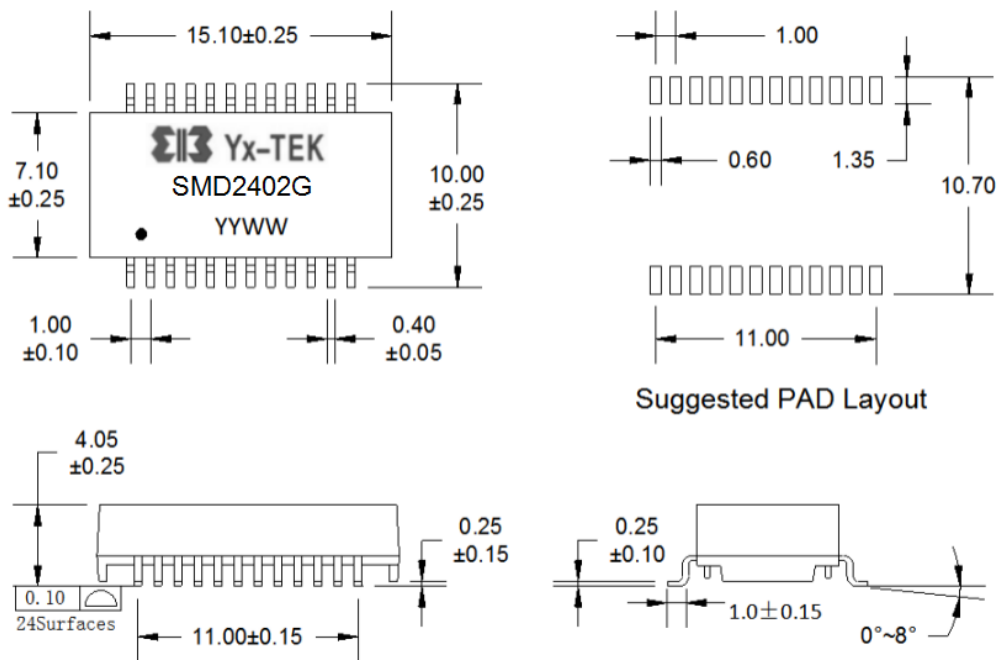
Data Sheet and Specifications Subject to Change Without Notice. (数据规格与表单如有更改恕不另行通知)

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

RECORD OF REVISION

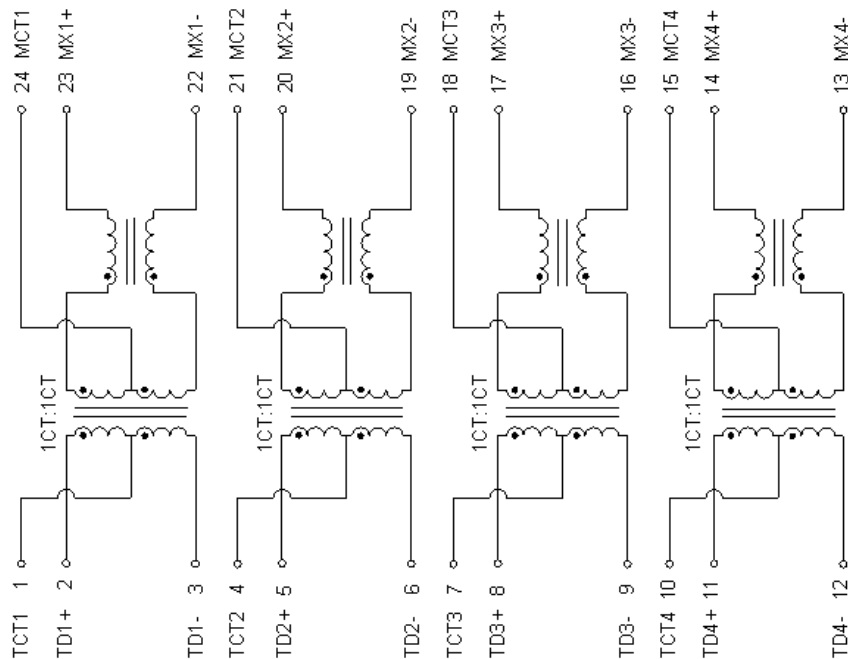
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A: MECHANICAL



Suggested PAD Layout

B: SCHEMATICS



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C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350 μ H Min @ 100 KHz, 0.1V with 8mA DC Bias.

2. Leakage Inductance: 0.5 μ H Max @ 100KHz, 0.1V

3. DCR: 1400m Ω Max

4. Turns Ratio: 1CT:1CT $\pm$ 5%

5. Insertion Loss: -1.1 dB Max @ 0.5-100 MHz

6. Return Loss: -18 dB Min @ 0.5-40 MHz

-12+20*log(f/80) dB Min @ 40.1-100 MHz

7. Cross Talk: -35 dB Min @ 0.5-40 MHz

-33+20*log(f/50) dB Min @ 40.1-100 MHz

8. Common Mode Rejection: -30 dB Min @ 0.5-100 MHz

9. Isolation Hipot: 1500VAC 1mA 60S

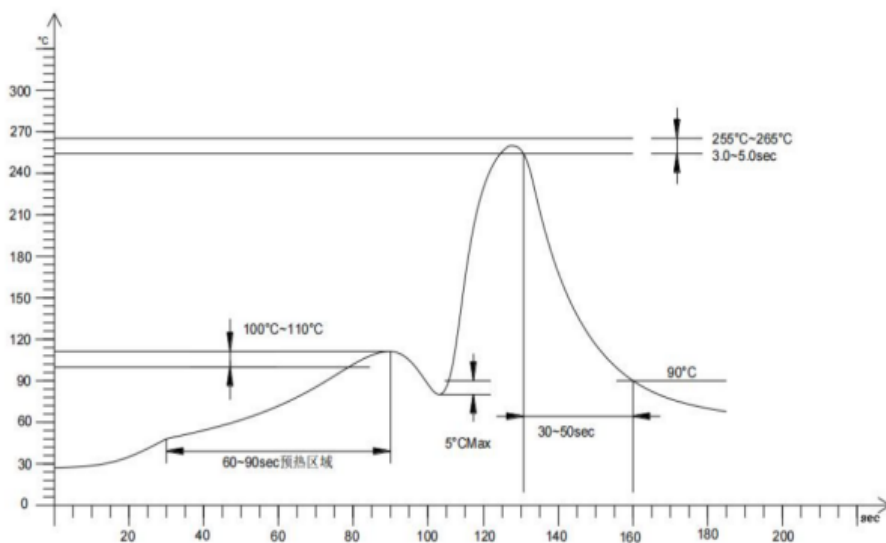
10. Operating temperature -40°C to +85°C。

11. Storage temperature -20°C to +125°C

12. MSL: grade 1.

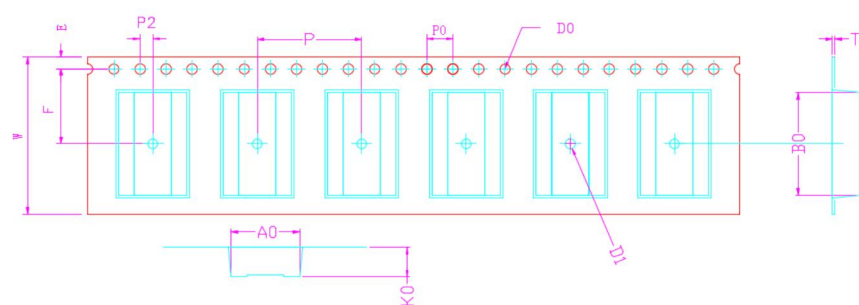
13. Compliant RoHS

THE RECOMMENDED REFLOW SOLDERING CURVE:

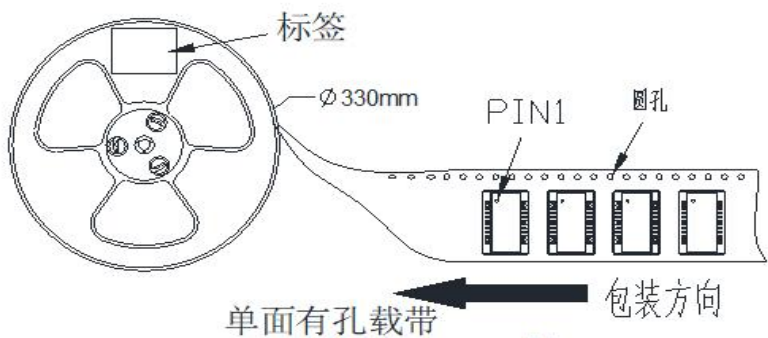


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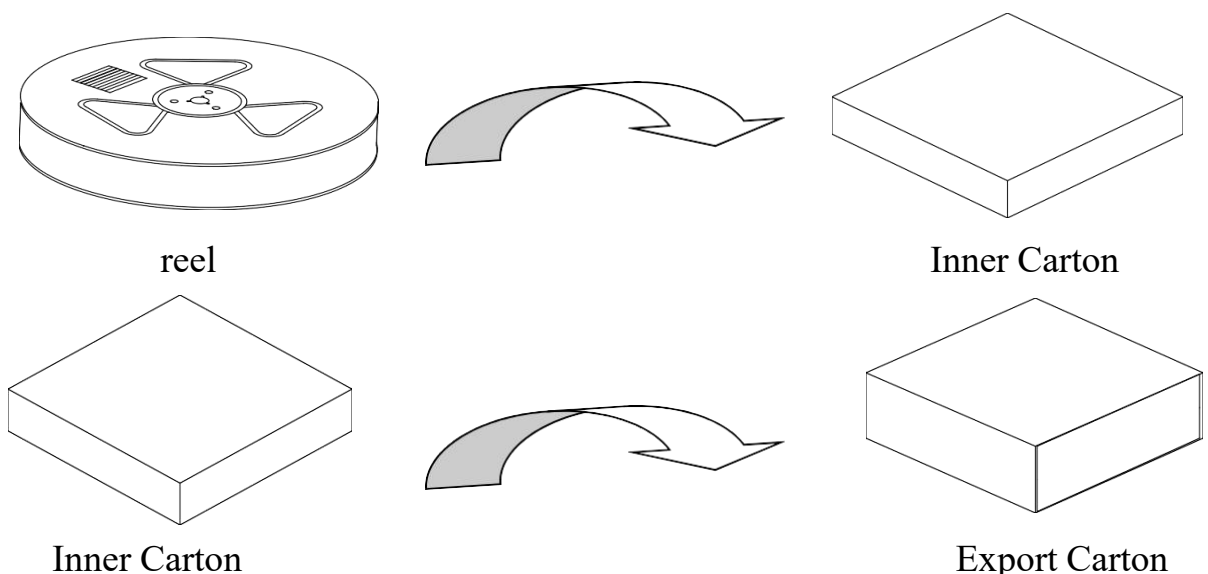
D. PACKAGE INFORMATION



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)



Package Quantity

One Reel=800Pcs

One Inner Carton=800*1=800Pcs

One Export Carton=800*6=4,800Pcs

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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