

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

YX P/N: _____

SMD4802G

REV: _____

R6

DESCRIPTION

100/1000 BASE-T Dual 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:	March.19.2025

REMARK:

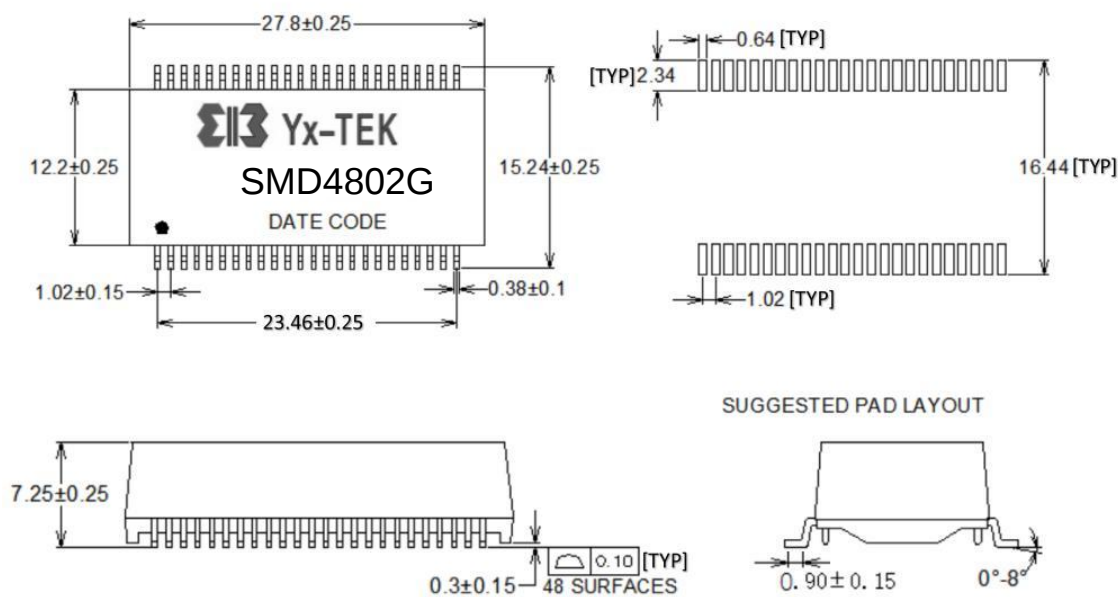
Data Sheet and Specifications Subject to Change Without Notice. (数据规格与表单如有更改恕不另行通知)

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

RECORD OF REVISION

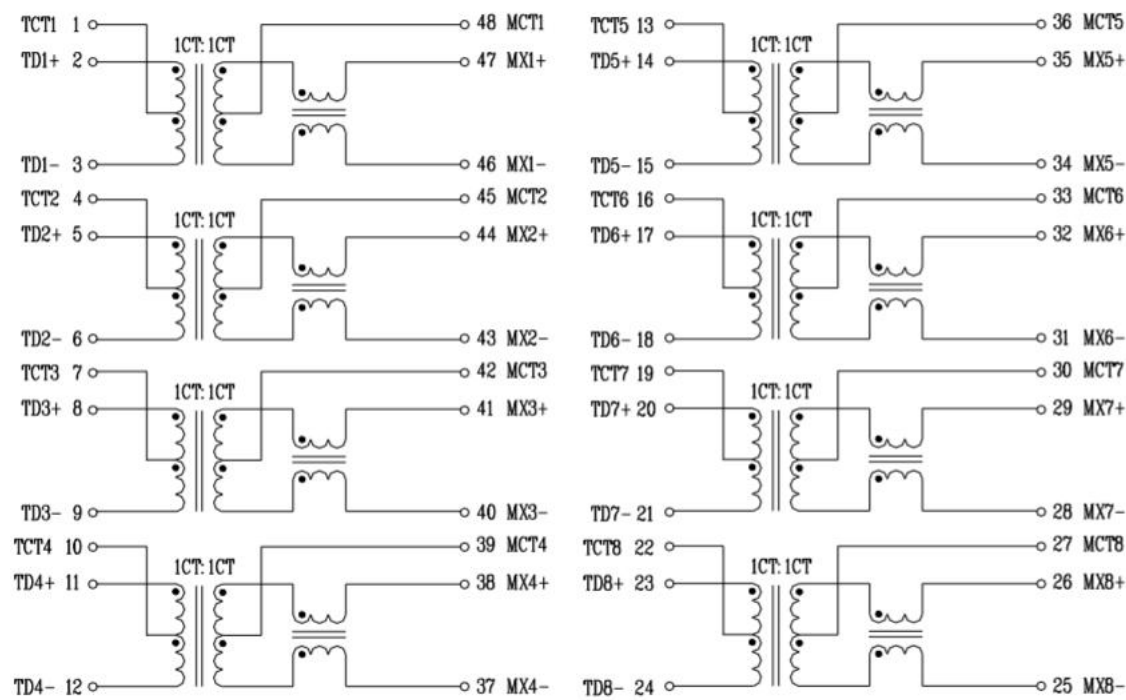
[illegible]

A: MECHANICAL



Unless otherwise specified all tolerances are:±0.25 mm

B: SCHEMATICS



Note:
The Color of Enameled Wire of Each Winding is Not Limited.
(各绕组漆包线颜色不受限制)

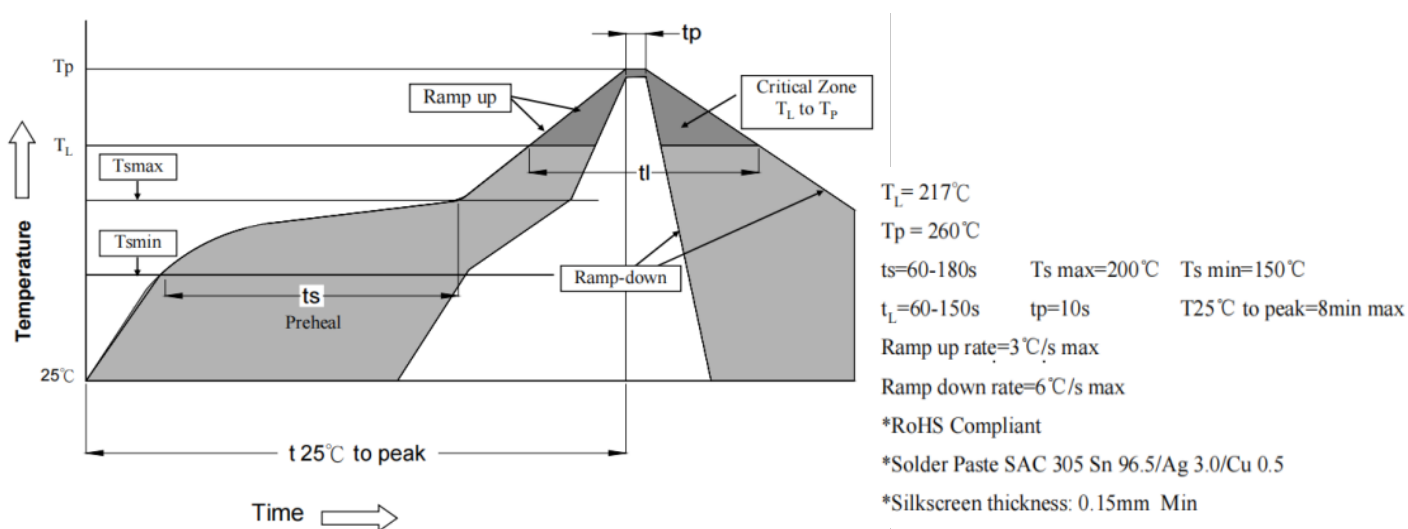
DESCRIPTION	YX P/N	SPEC NO.	REV: R6
100/1000 BASE-T	SMD4802G		PAGE: 1/4

C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 350 uH Min @ 100 KHz, 0.1V with 8mA DC Bias.
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1400 mΩ Max @ 25 .
4. Turns Ratio: 1CT:1CT±5% @100KHz ,0.1V.
- 5.Cw/w : 28pF Typ @100KHz ,0.1V.
6. Insertion Loss: -1.1 dB Max @ 0.5-100 MHz
7. Return Loss: -18 dB Min @ 0.5-40 MHz
 $-12+20*\log(f/80)$ dB Min @ 40.1-100 MHz
8. Cross Talk: -35 dB Min @ 0.5-40 MHz
 $-33+20*\log(f/50)$ dB Min @ 40.1-100 MHz
9. Common Mode Rejection: -30 dB Min @ 0.5-100 MHz
- 10.Isolation Hi-pot: 1500VAC 1mA 60S
- 11.Operating temperature : - 4 0°C to +85°C
- 12.Storage temperature : 0°C to +105 °C
- 13.MSL:grade1.
- 14.Compliant RoHS.

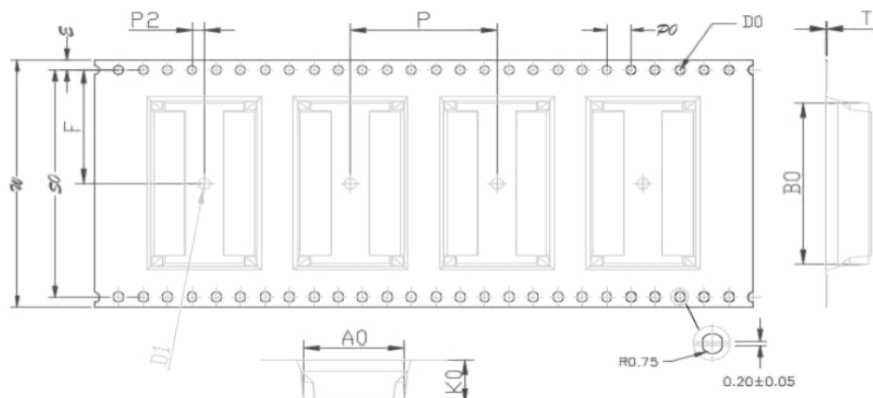
Meets IEEE802.3af standards Mid-span PoE Applications 350mA Current capability.

D.Recommended Reflow curve::

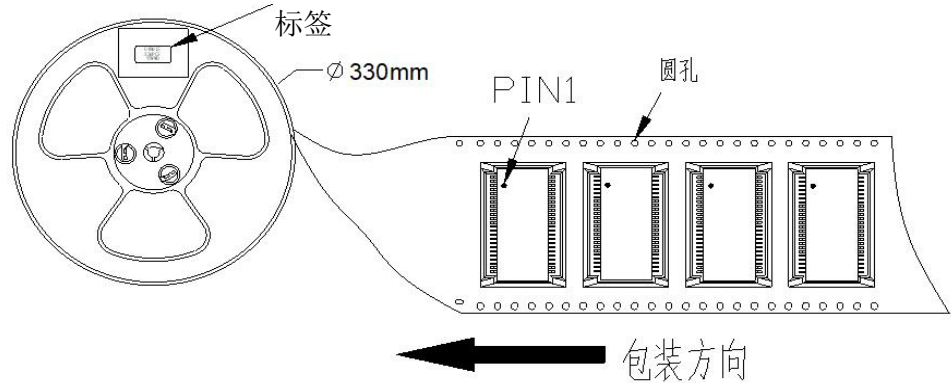


DESCRIPTION	YX P/N	SPEC NO.	REV: R6
100/1000 BASE-T	SMD4802G		PAGE: 3/4

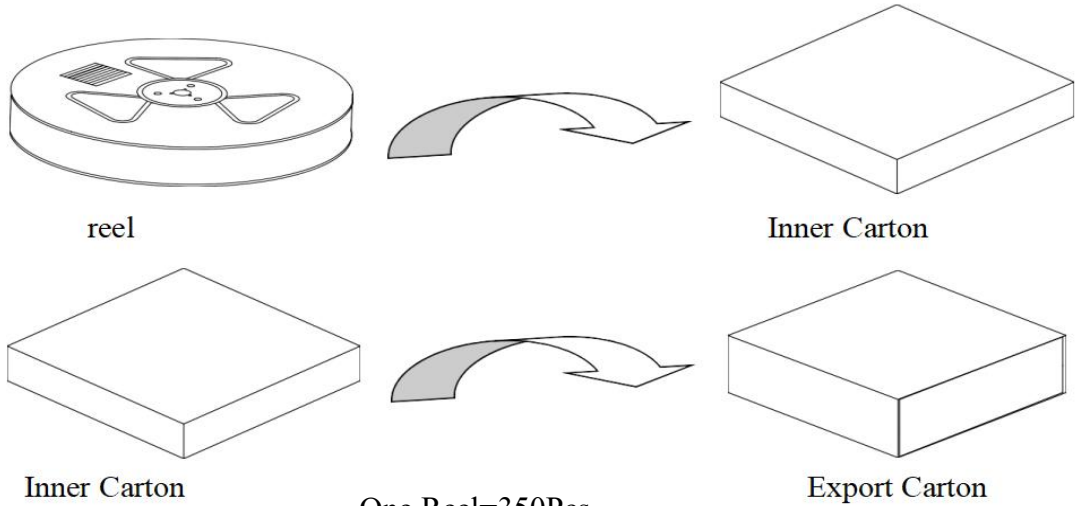
E. PACKAGE INFORMATION



ITEM	W	A0	B0	S0	K1	K0	F	P	P0	P2	D0	D1	E	T
DIM	44.0±0.3	16.0±0.1	28.0±0.10	40.4±0.1	7.4±0.1	7.9±0.1	20.2±0.1	24.0±0.1	4.00±0.1	2.0±0.15	1.50+0.1/-0	2.00+0.1/-0	1.75±0.1	0.4±0.05



备注: 每卷载带前空10PCS格,后空20PCS格(靠近卷轴端为前)



One Reel=350Pcs
One Inner Carton=350*1=350Pcs
One Export Carton=350*3=1050Pcs

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)。

DESCRIPTION	YX P/N	SPEC NO.	REV: R6
100/1000 BASE-T	SMD4802G		PAGE: 4/4