



快特電子股份有限公司

Quictron Corporation

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APPROVAL SHEET

Customer 客 戶	
Description 零 件 概 述	24PIN, 100/1000 BASE-T LAN Transformer, KM24SG002 G
Customer's Part No. 客 戶 料 號	
Vendor's Part No. 供 應 商 料 號	KM24SG002 G

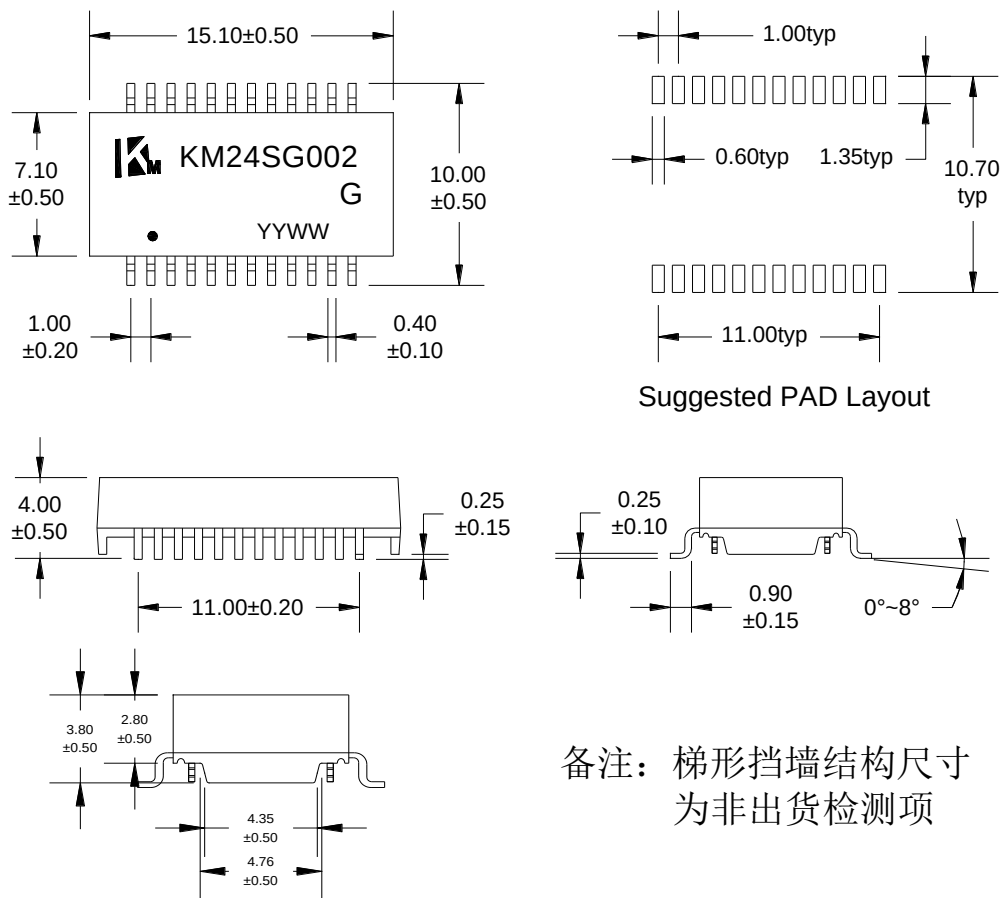
SUPPLIED BY	APPROVED BY
蒋利敏	黃永華 Johnny Huang



RECORD OF REVISION

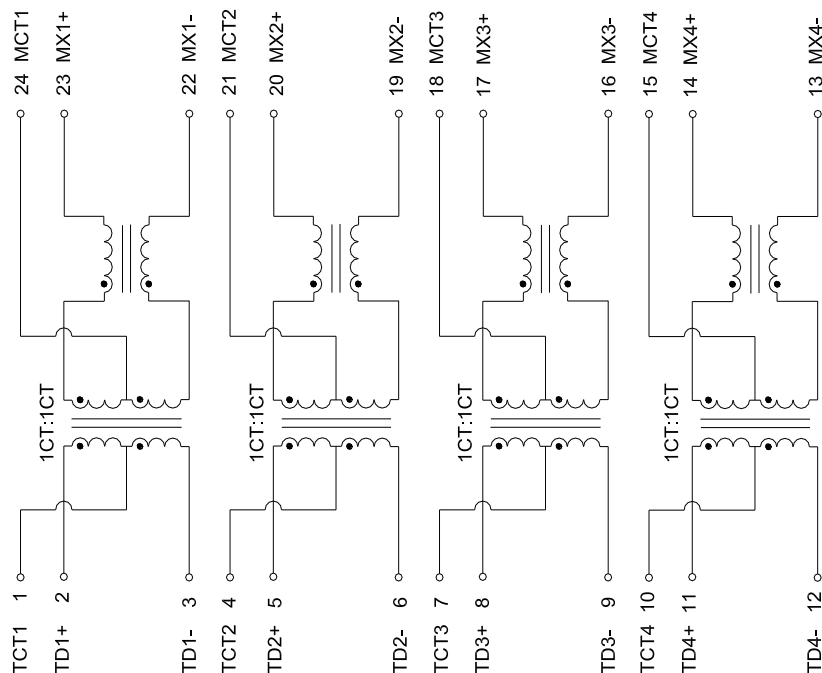
RECORD OF REVISION			
Rev	Description of changes		Date
R0	新版发行		2015-10-16
R1	增加变更记录，图面调整		2016-6-15
R2	依据客户要求，增加满足POE功能电流毫安		2017-3-10
R3	申请由油墨印字变更为激光印字		2018-4-16
R4	1.根据ECR:E201812030，变更胶壳为梯形挡墙结构；2.增加MSL描述		2019-9-24
R5	添加梯形挡墙结构尺寸		2020-3-13
DESCRIPTION		KM P/N	SPEC NO.
100/1000 BASE-T		KM24SG002 G	PAB-3599
			REV: R5
			PAGE: 1/5

A. MECHANICAL(unit:mm)



备注：梯形挡墙结构尺寸
为非出货检测项

B. SCHEMATICS



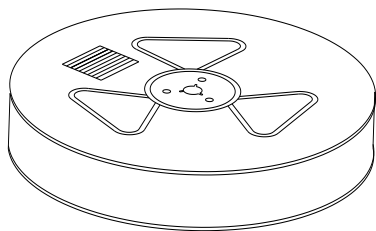
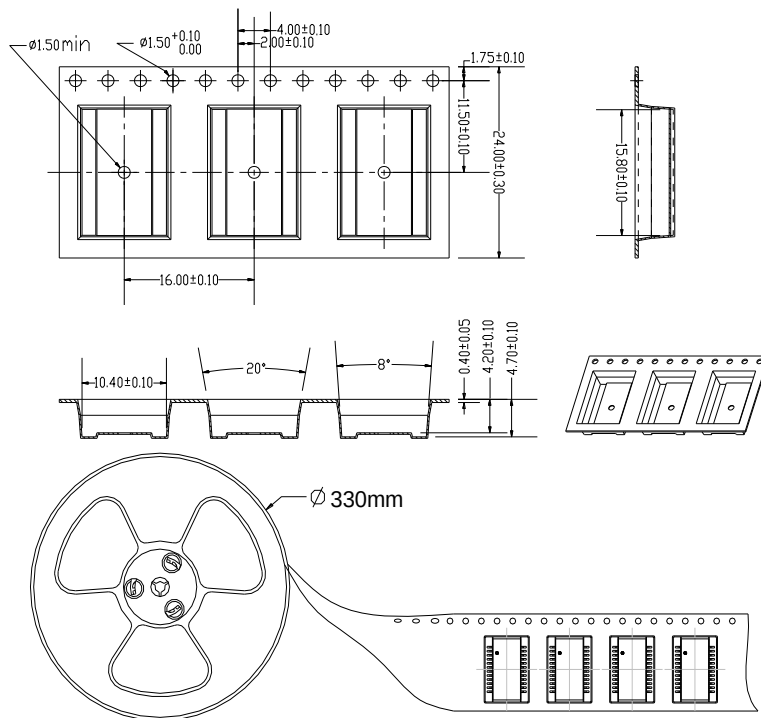
DESCRIPTION	KM P/N	SPEC NO.	REV: R5
100/1000 BASE-T	KM24SG002 G	PAB-3599	PAGE: 2/5

C. ELECTRICAL SPECIFICATIONS @25°C

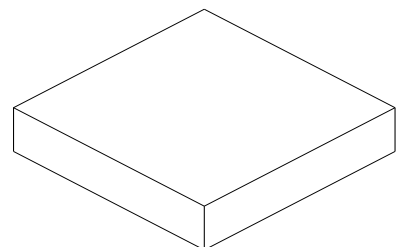
1. OCL: 350uH Min @ 100KHz, 0.1V 8mA DC BIAS
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1400mΩ Max
4. Turns Ratio: 1CT:1CT ±5%
5. Insertion Loss: -1.1 dB Max @ 1-100 MHz
6. Return Loss: -18 dB Min @ 1-30 MHz
 - 14.4 dB Min @40 MHz
 - 13.1 dB Min @ 50 MHz
 - 12 dB Min @ 60-80 MHz
 - 10 dB 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. IEEE802.3af compliant performance---350mA DC balanced current
13. MSL: Grade: 1 Level. Floor life: 1 year Condition: ≤30°C/60%RH

DESCRIPTION	KM P/N	SPEC NO.	REV: R5
100/1000 BASE-T	KM24SG002 G	PAB-3599	PAGE: 3/5

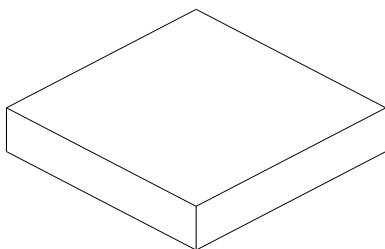
D. PACKAGE INFORMATION



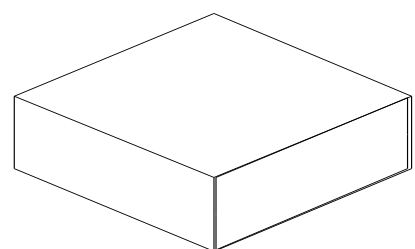
Three Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

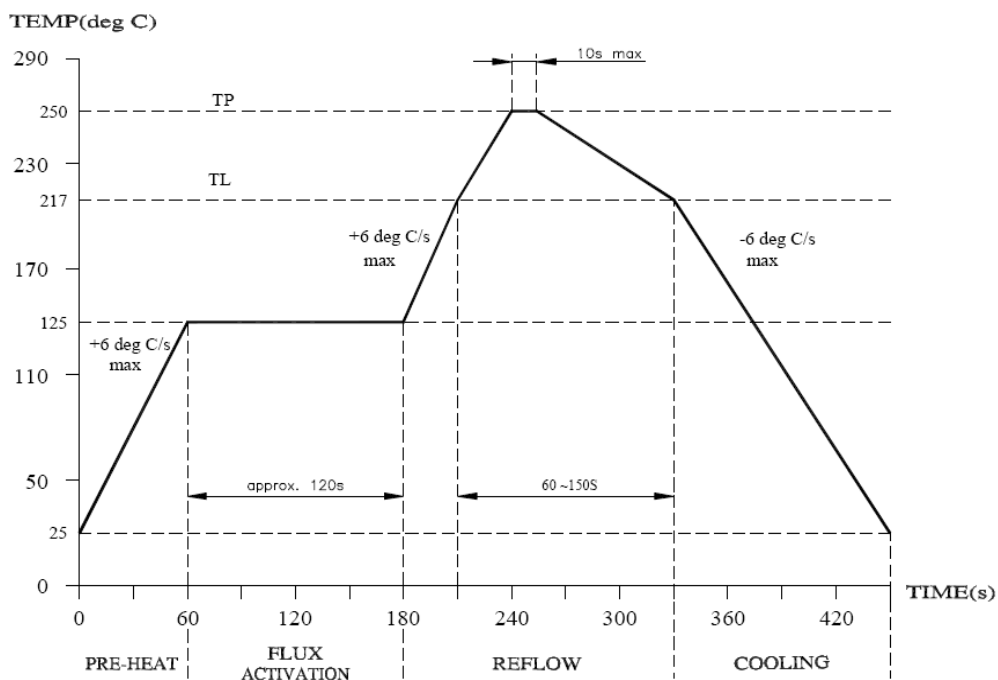
One Reel=800Pcs

One Inner Carton=800*3=2400Pcs

One Export Carton=2400*2=4800Pcs

DESCRIPTION	KM P/N	SPEC NO.	REV: R5
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E. RECOMMEND REFLOW SOLDERING CURVE



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