



Yx-TEK
亚湘科技

APPROVED SHEET

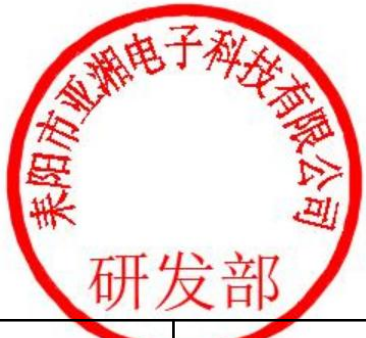
CUSTOMER: _____

CUSTOMER P/N: _____

P/N: TB2417G

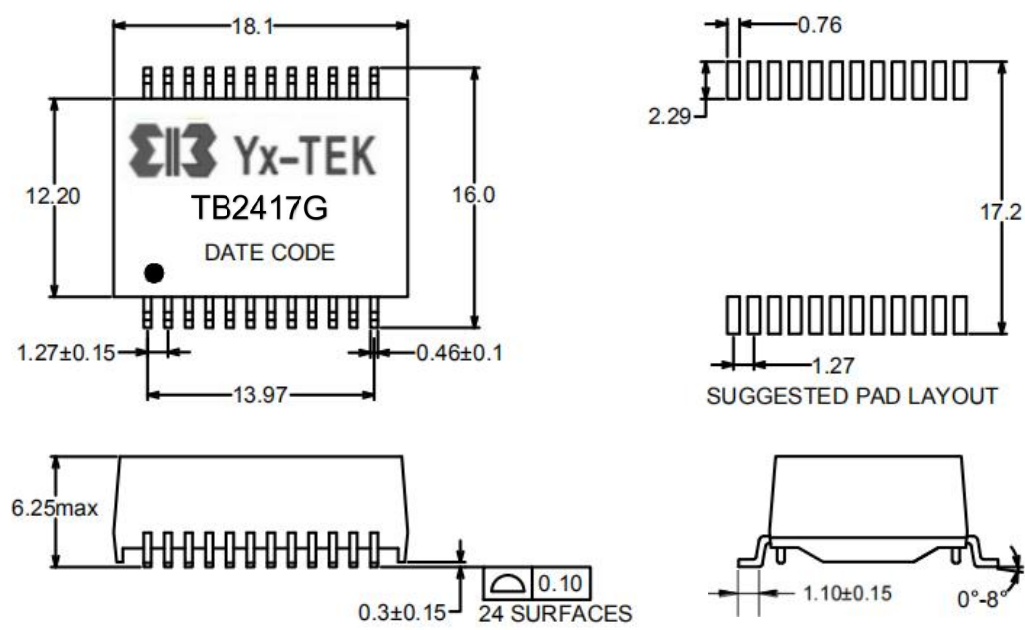
REV: R1

DESCRIPTION: 100/1000 BASE-T Single Port Automotive LAN Transformer 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:	July.31.2023

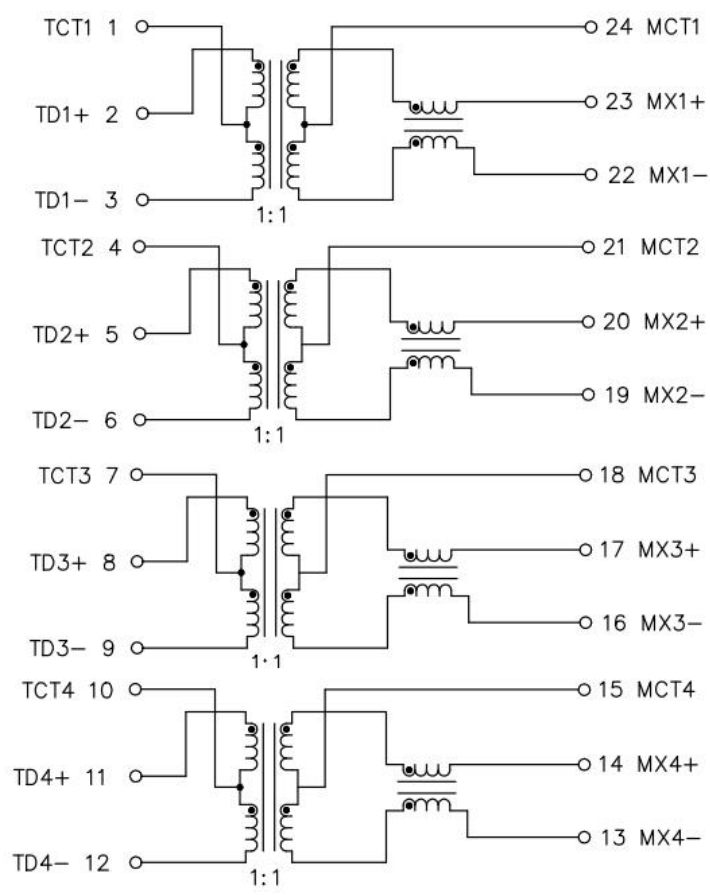
Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)

A: MECHANICAL



Unless otherwise specified all tolerances are:±0.25 mm

B: SCHEMATICS



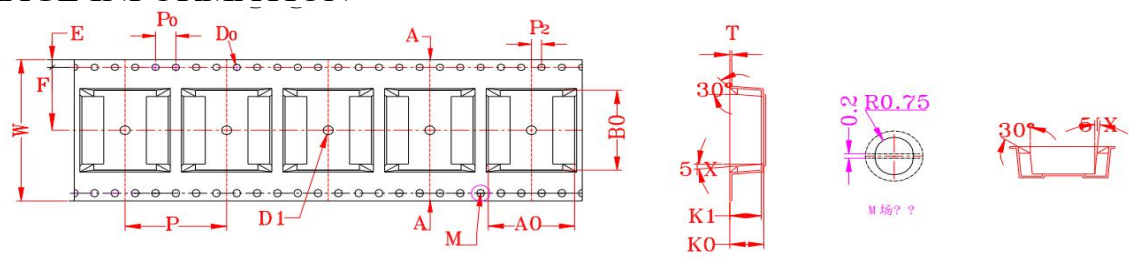
DESCRIPTION	YX P/N	SPEC NO.	REV: R1
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C. ELECTRICAL SPECIFICATIONS @25°C

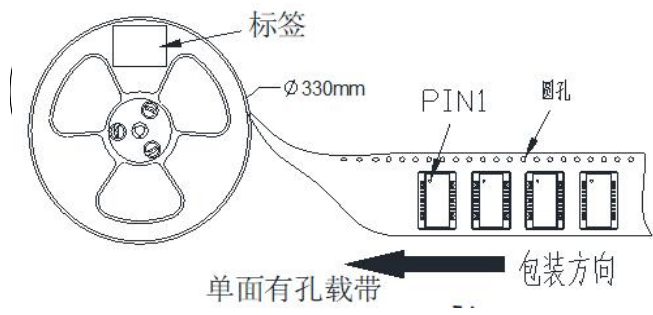
1. AEC-Q200 Qualified.
2. Compliant with IEEE 802.3 Specification.
3. OCL: 350 uH Min @ 100 KHz, 0.1V with 8 mA DC Bias., -40°C/+105°C.
4. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
5. DCR: 1200 mΩ Max
6. Turns Ratio: 1CT:1CT±3%
7. Insertion Loss: -1.2 dB Max @ 0.1 MHz
-3.0 dB Max @ 1-125 MHz
8. Return Loss: -16 dB Min @ 0.1-40 MHz
-10+20*log₁₀ (f/80) dB Min @ 40-100 MHz
9. Cross Talk: -50 dB Min @ 1 MHz
-55+22*log₁₀ (f/10) dB Min @ 10-100 MHz
10. Common Mode Rejection: -50 dB Min @ 2 MHz
-15+20*log₁₀ (f/200) dB Min @ 30-200 MHz
11. Isolation Hi-pot: 1500VAC 1mA 60S
12. Operating temperature :-40°C to +105°C
13. Storage temperature: -50°C to +125°C
14. Compliant RoHS-6.

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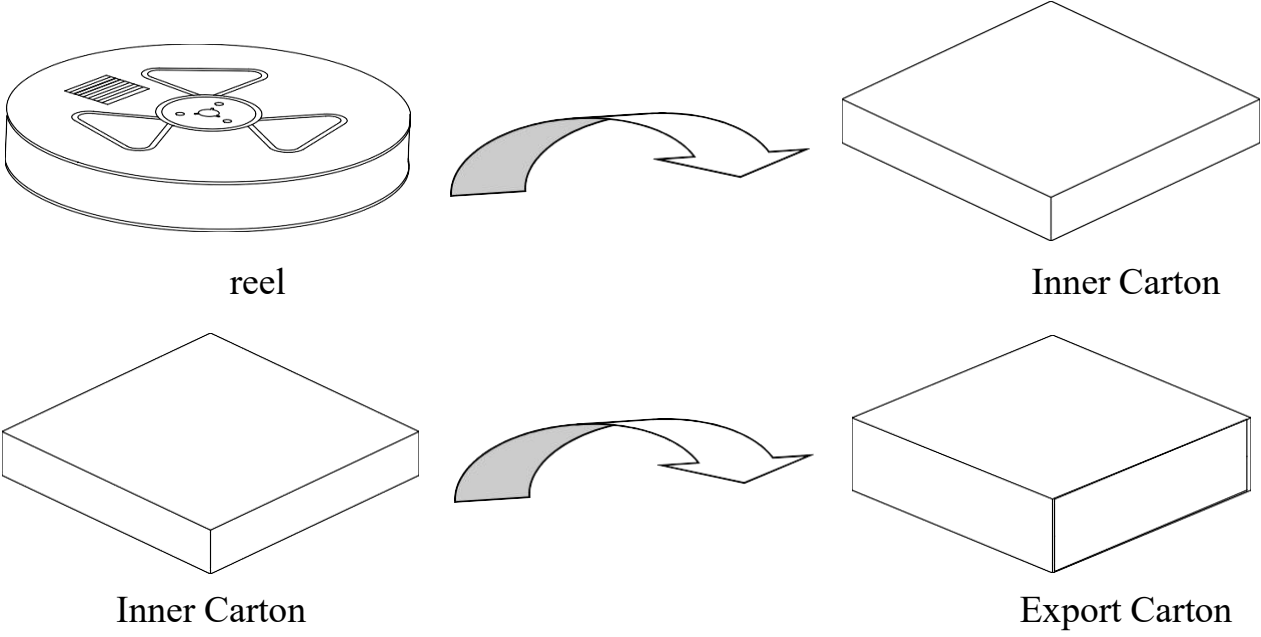
D. PACKAGE INFORMATION



ITEM	W	A ₀	B ₀	K ₀	K ₁	P	F	E	D ₀	D ₁	P ₀	P ₂	T
DIM	32.00 ^{+0.30} _{-0.30}	17.0 ^{+0.10} _{-0.10}	18.10 ^{+0.10} _{-0.10}	6.70 ^{+0.10} _{-0.10}	6.20 ^{+0.10} _{-0.10}	20.00 ^{+0.10} _{-0.10}	14.2 ^{+0.10} _{-0.10}	1.75 ^{+0.10} _{-0.10}	1.50 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}	4.00 ^{+0.10} _{-0.10}	2.00 ^{+0.10} _{-0.10}	0.40 ^{+0.05} _{-0.05}
ALTERNATE													



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=450Pcs
- One Inner Carton=450*2=900Pcs
- One Export Carton=450*6=2700Pcs

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