



Yx-TEK
亚湘科技

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

P/N: TB2408G

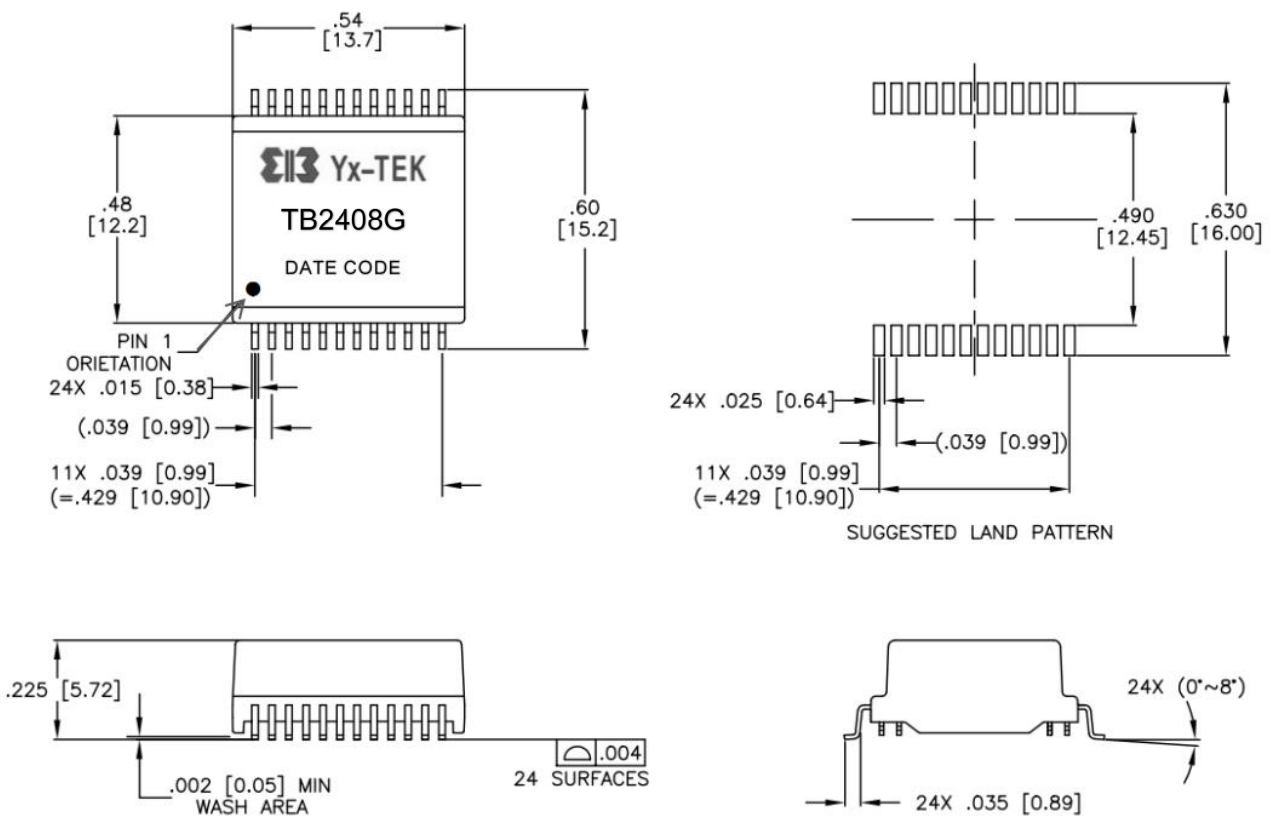
REV: A0

DESCRIPTION: 10G 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

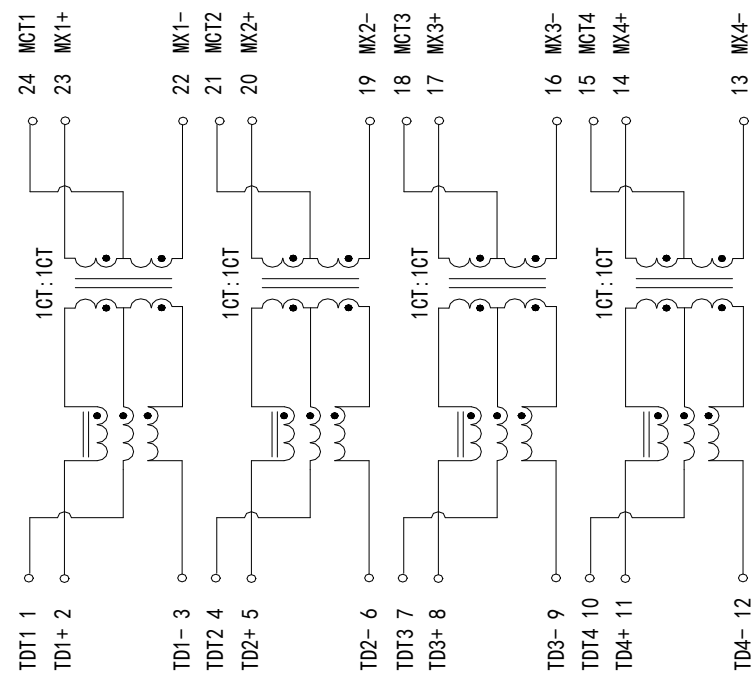
Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)

A: MECHANICAL



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.50]
.XXX= ±.010 [±0.25]

B: SCHEMATICS



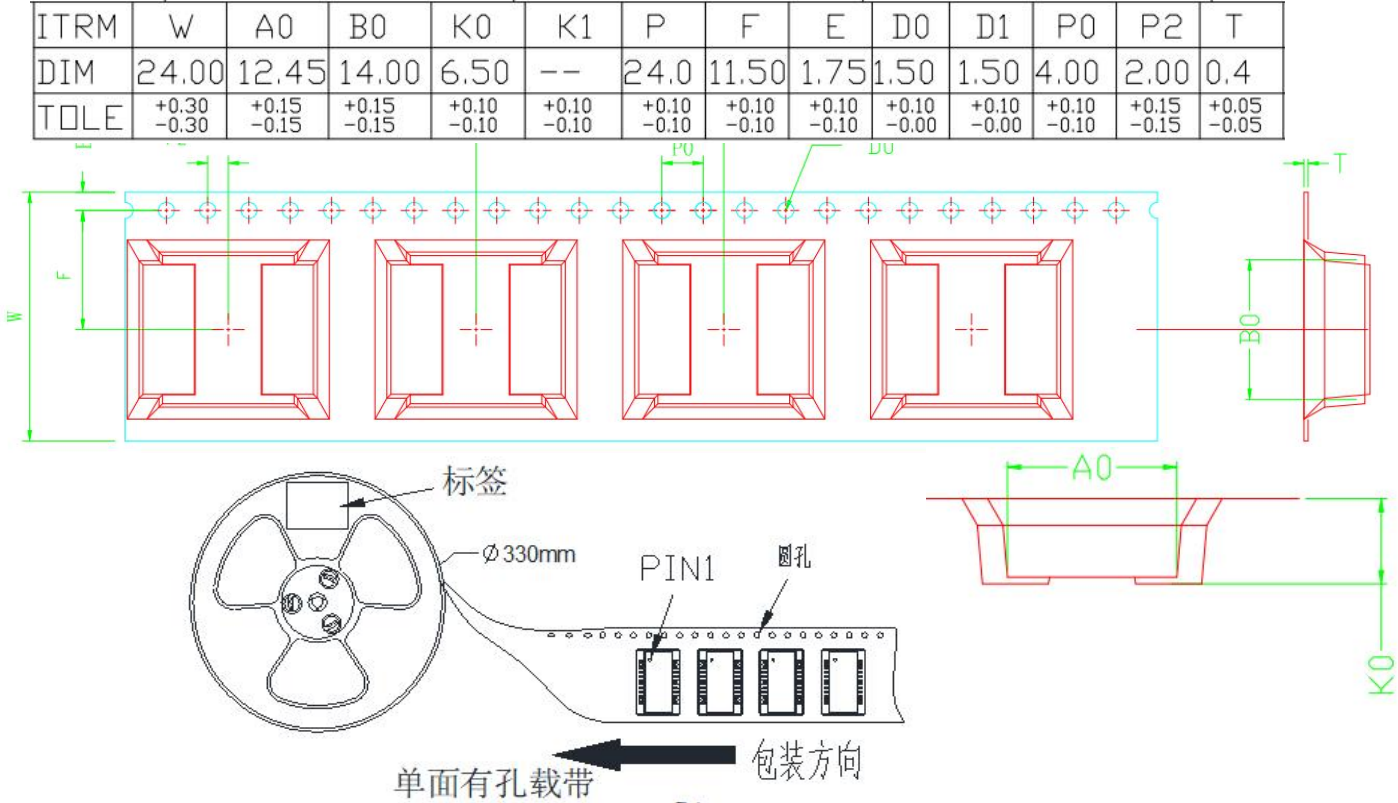
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C. ELECTRICAL SPECIFICATIONS @25°C

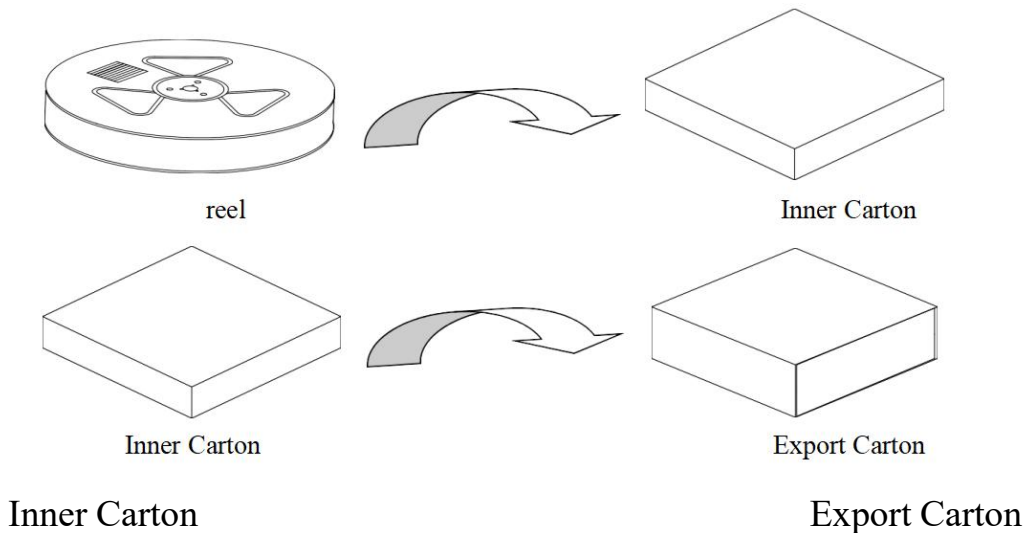
1. AEC-Q200 Qualified.
2. Complying with IEEE 802.3an standard.
3. OCL: 150 uH Min @ 100 KHz, 0.1V .
4. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V.
5. DCR: 0.9 Ω Max.
6. Turns Ratio: 1CT:1CT $\pm$ 3%
7. Insertion Loss: -3.0 dB Max @ 0.1 MHz
-2.0 dB Max @ 1-400 MHz
-3.0 dB Max @ 500 MHz
8. Return Loss(@Load 100 Ω): -21 dB Min @ 1-100 MHz
-10+17*log₁₀(f/400) dB Min @ 100.10-500 MHz
9. Cross Talk: -35 dB Min @ 1-100 MHz
-25 dB Min @ 100-500 MHz .
10. CMRR: -35 dB Min @ 1-100 MHz
-30 dB Min @ 100-300 MHz
-25 dB Min @ 300-500 MHz
11. CDMR: -30 dB Min @ 1-250 MHz
-22 dB Min @ 250-500 MHz
12. Isolation Hi-pot: 1500VAC 1mA 60S
13. Operating temperature :-40°C to +125°C
14. Storage temperature -25°C to +105°C
15. Compliant RoHS-6.

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D. PACKAGE INFORMATION



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=400Pcs
- One Inner Carton=400*2=800Pcs
- One Export Carton=400*6=2400Pcs

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