

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	ST06808A0
Spec No.:	
Version No.:	V0.1
Description:	Transformer
	Meet AEC-Q200 Standard
	BMS Application

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Bob
Checked By:		Checked By:	/
Approved By:		Approved By:	Jerry
Approved Date:		Issued Date:	2024/7/15

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

- Remark:
- Before use, please confirm whether this product is suitable for your design, Scientific only ensure products meet this specification.
 - This specification data change must be confirmed by both parties,any individual modification is invalid.
 - If customer placed orders without signing back this specification, it is regarded as recognition

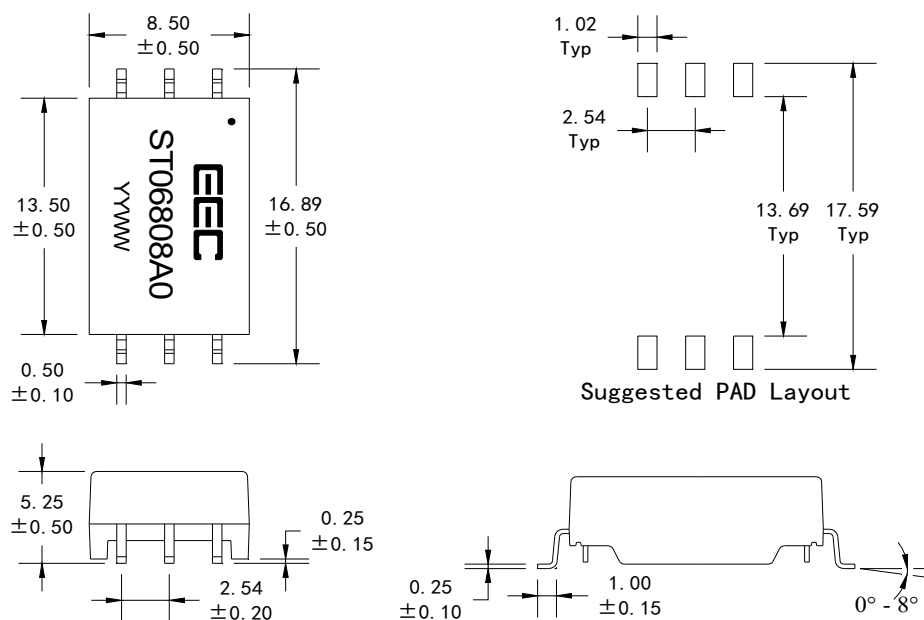


绵阳敦源电子科技有限公司
Mianyang Dunyuan Electronics Technology Co.,Ltd
地址：四川省绵阳市高新区综合保税区
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

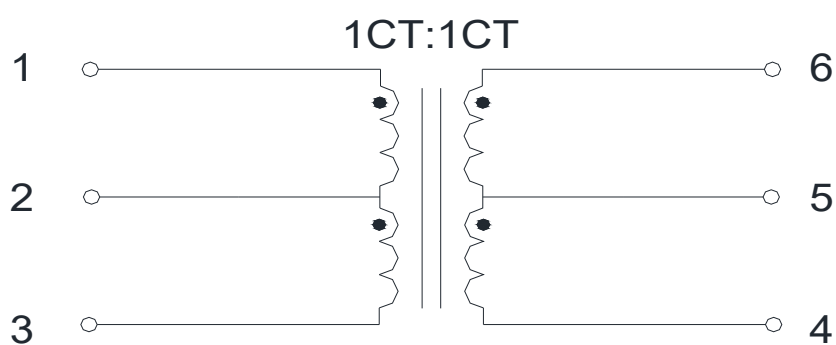
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A. MECHANICAL(unit:mm)



B. SCHEMATICS

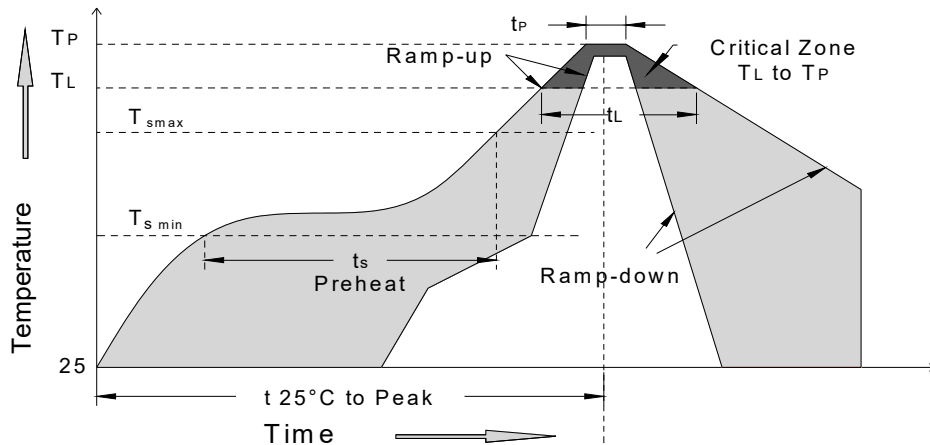


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C. ELECTRICAL SPECIFICATIONS @25°C

Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C

1. OCL: 150uH min @100 KHz, 0.1V(-40°C ~ +125°C)
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 600mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -0.5 dB Max @ 4 MHz
6. Return Loss: -20 dB Min @ 4 MHz
7. Isolation Hipot: 4300VDC 1mA 60s or 3700VAC 1mA 2s
8. Operating temperature -40°C to +125°C
9. Storage Temperature(With Package): +10°C to +40°C
10. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
11. Working voltage: 1000VDC
12. RoHS Compliant
13. Qualification: Meet AEC-Q200

D. RECOMMEND REFLOW SOLDERING CURVE

MSL:

Grade: 1 level. Floor life: 0.5 year Condition: ≤30°C/60%RH.

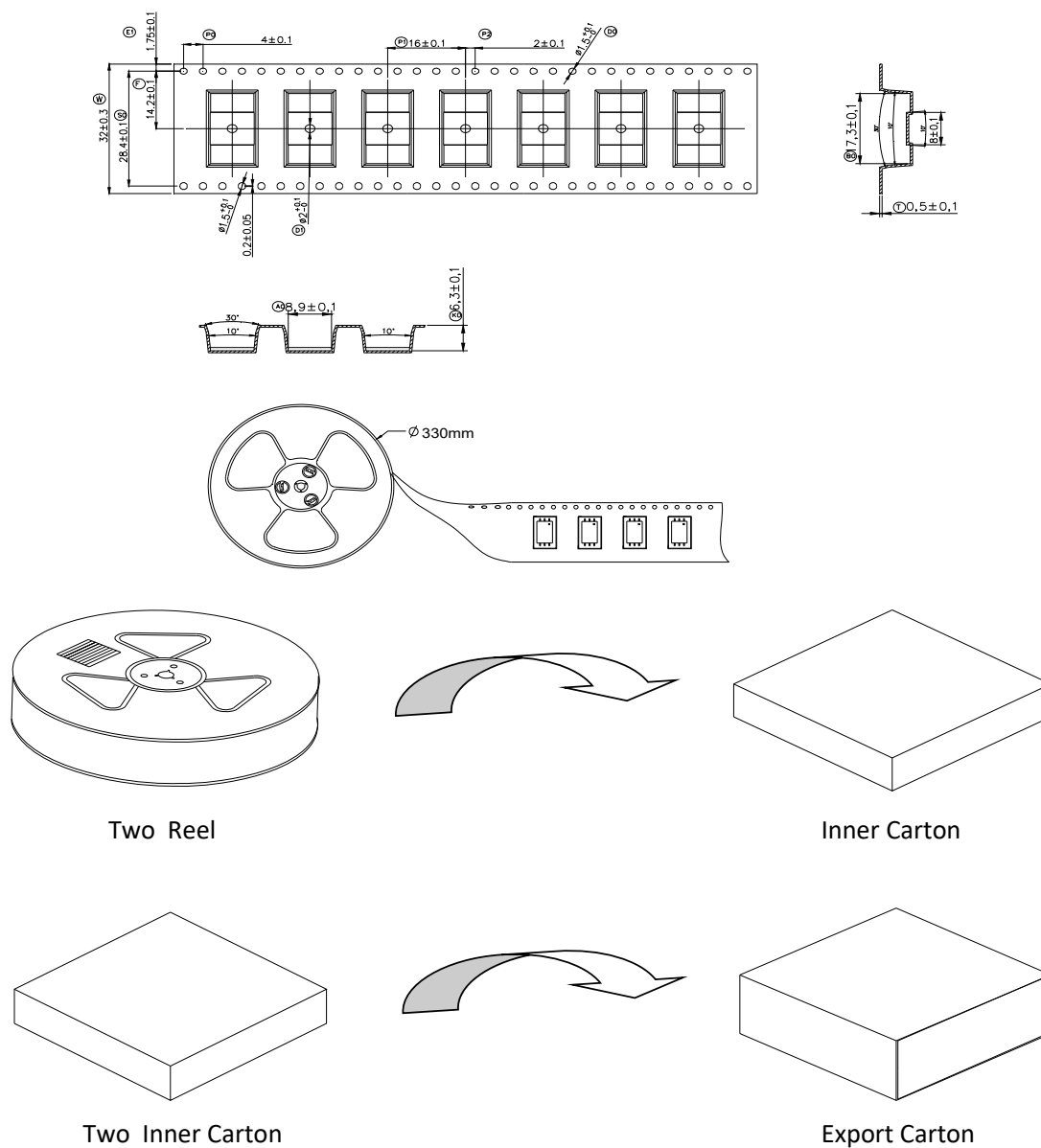
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

TL=217°C tL=60s-150s Tp=250+/-3°C Time within 5°C of actual Peak Temperature (tp): 20~40s

Ts min=150°C Ts max=200°C Ts min to Ts max: 60s-180s, 25°C to peak Temperature: 8minutes max

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E. PACKAGE INFORMATION



Package Quantity:

One Reel=600Pcs

One Inner Carton=600*2=1200Pcs

One Export Carton=1200*2=2400Pcs

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