

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	ST06B07A0
Spec No.:	
Version No.:	V0.1
Description:	Transformer
	Automotive 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:
1. Before use, please confirm whether this product is suitable for your design, Scientific only ensure products meet this specification.
 2. This specification data change must be confirmed by both parties,any individual modification is invalid.
 3. If customer placed orders without signing back this specification, it is regarded as recognition



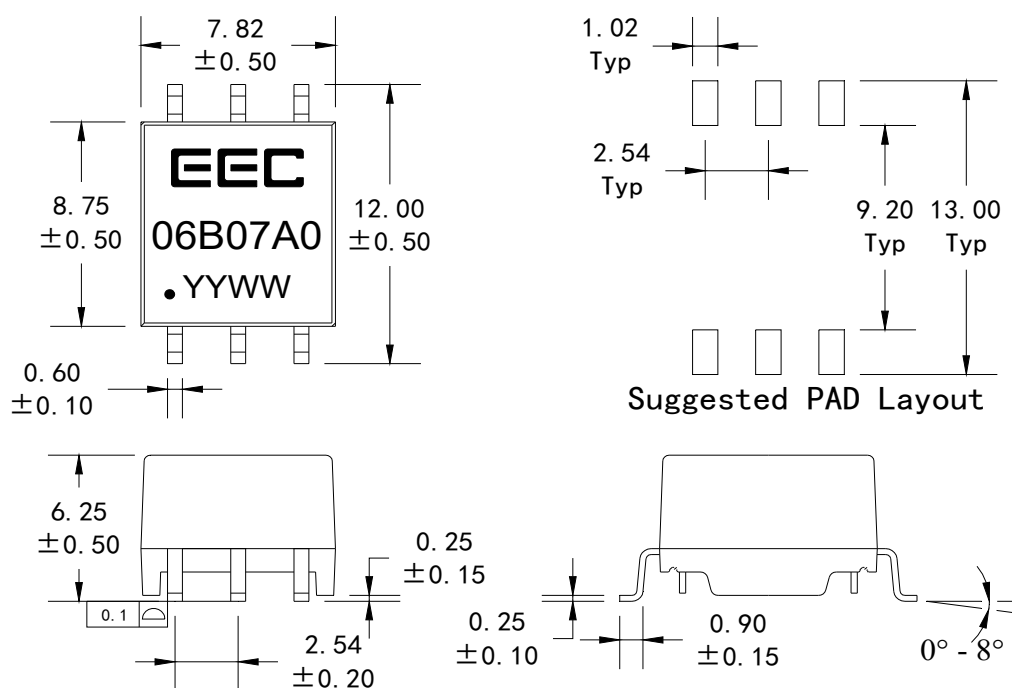
绵阳敦源电子科技有限公司
Mianyang Dunyuan Electronics Technology Co.,Ltd
地址： 四川省绵阳市高新区综合保税区
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

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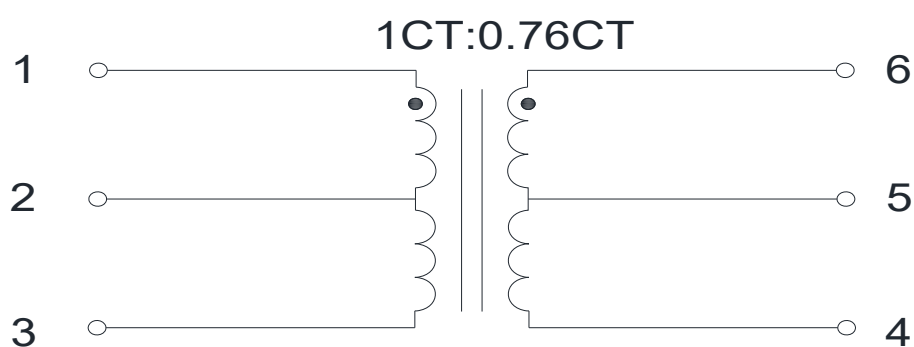
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A. MECHANICAL(unit:mm)



B. SCHEMATICS

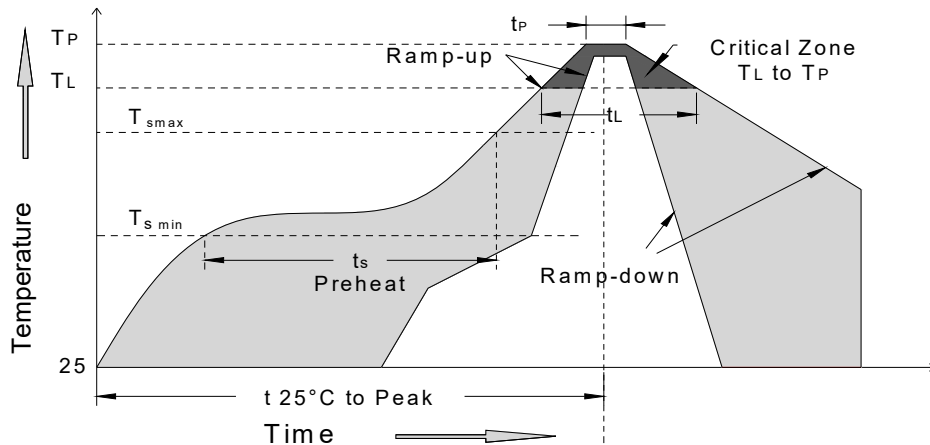


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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL(Pin1-2/2-3): 479uH Typ @100 KHz, 0.1V,(25°C)
OCL(Pin4-5/5-6): 275uH Typ @100 KHz, 0.1V,(25°C)
2. Leakage Inductance(Pin1-3, short with Pin4-6): 1.0uH Max @ 100KHz, 0.1V
3. DCR: (1 to 3) 1000mΩ Max
(6 to 4) 800mΩ Max
4. Turns Ratio(Pin1-3:Pin4-6): 1CT:0.76CT±5%
5. Isolation Hipot: 3500VAC 1mA 60s
6. Operating temperature -40°C to +125°C
7. Storage Temperature(With Package): +10°C to +40°C
8. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
9. RoHS compliant.
10. Qualification: Meet AEC-Q200

D. RECOMMEND REFLOW SOLDERING CURVE

MSL:

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

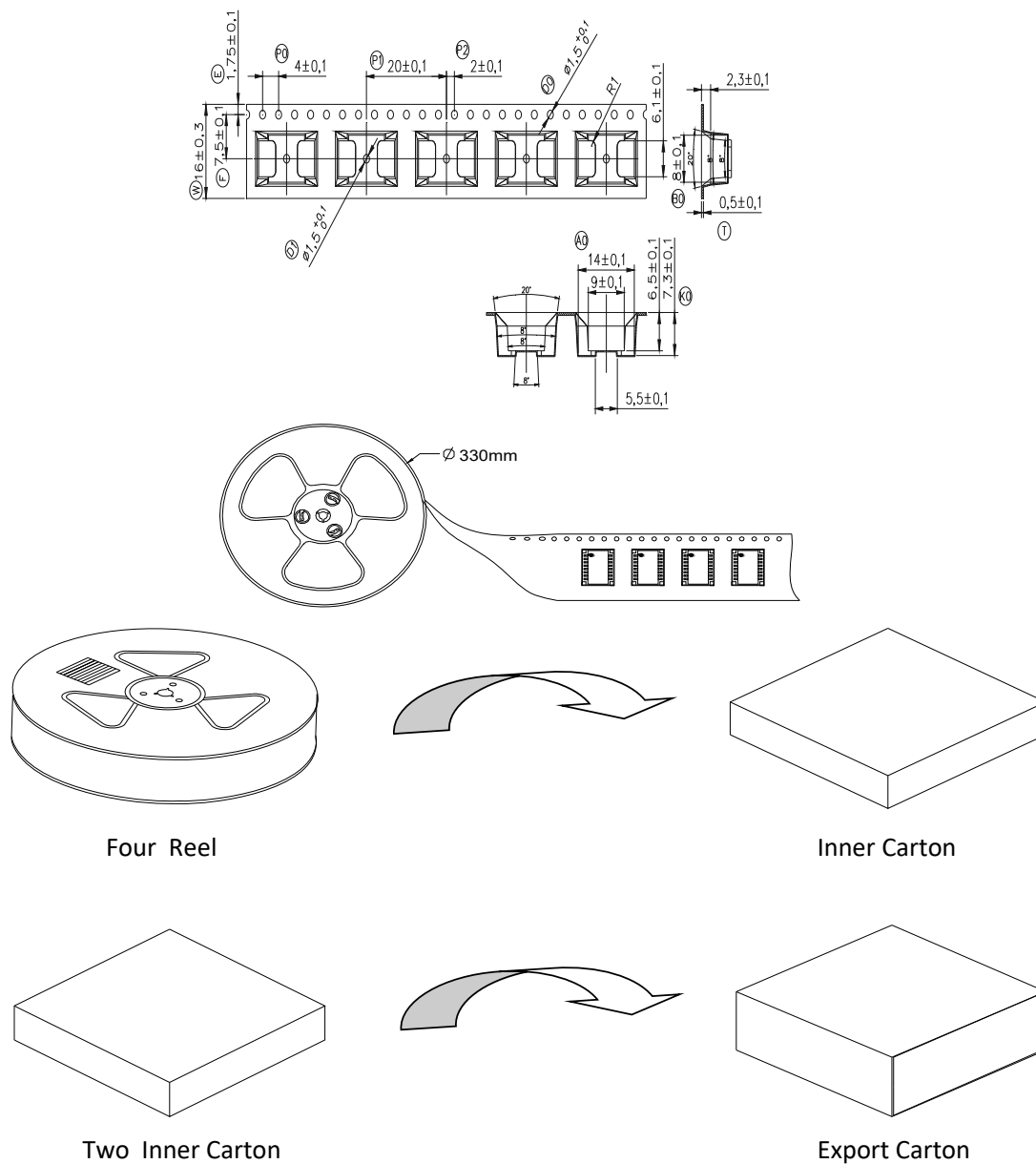
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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=400Pcs

One Inner Carton=400*4=1600Pcs

One Export Carton=1600*2=3200Pcs

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