

Specification for Approval

Customer: _____

Customer P/N: _____

EEC P/N: ST06E12D0

Spec No.: _____

Version No.: V0.1

Description: Transformer

Laser Marking

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Feng
Checked By:		Checked By:	/
Approved By:		Approved By:	Jerry
Approved Date:		Issued Date:	2026/8/15

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

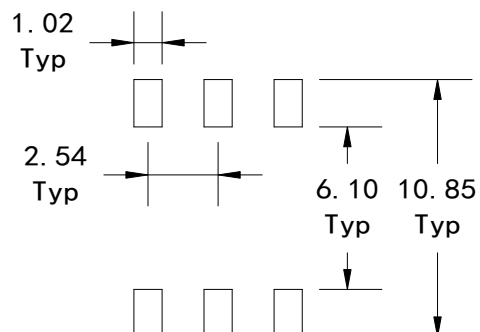
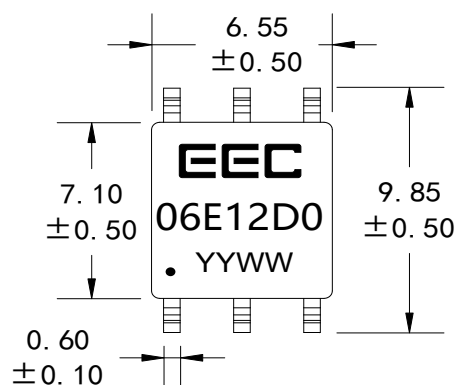
Specification for Approval

Revision History

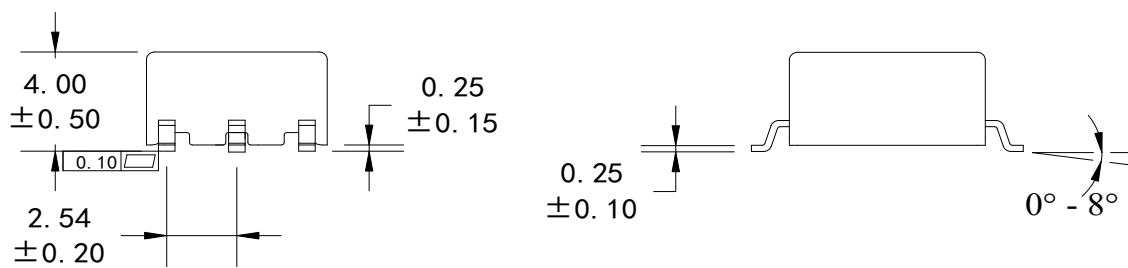
[illegible]

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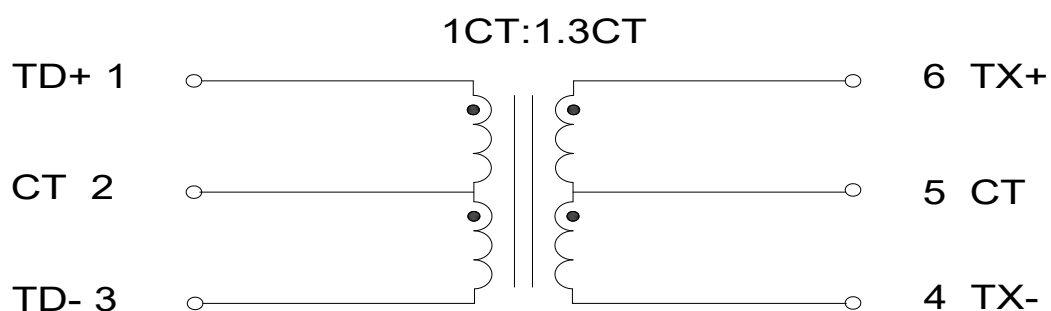
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. SCHEMATICS

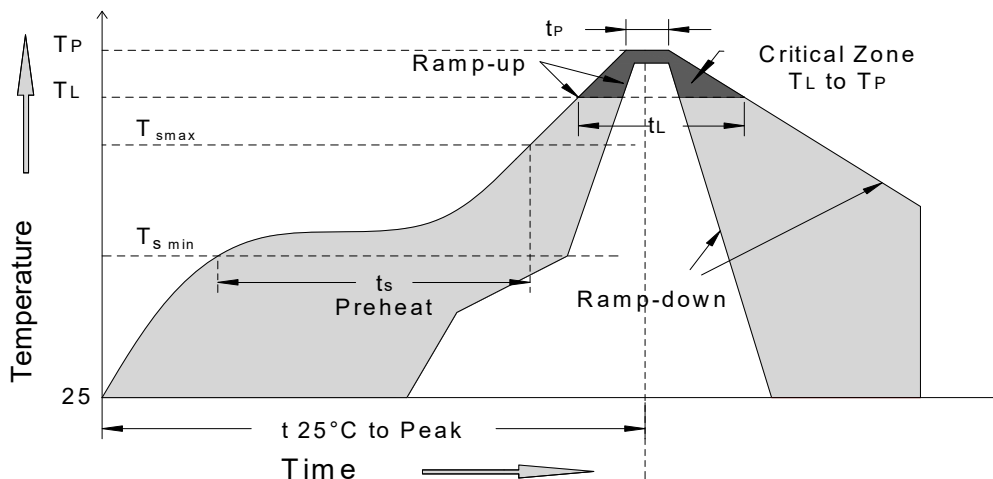


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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL(TD): 475uH Min with 100 kHz, 0.1V@25°C
2. DCR(Pri.): 650mΩ Max
(Sec.): 800mΩ Max
3. Turns Ratio:(1-3):(6-4)= 1CT:1.3CT±5%
4. Isolation Hipot: 3100VAC 1mA 2s or 2500VAC 1mA 60s
5. Operating temperature -40°C to +125°C
6. Storage Temperature(With Package): +10°C to +40°C
7. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
8. RoHS Compliant
9. Current Rating: 350mAAC
Voltage-Time: 11VuS
10. Designed to comply with IEC60950-1:
Functional insulation for primary circuit at a working voltage of 400Vrms.

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 3°C of actual Peak Temperature

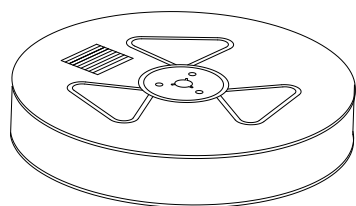
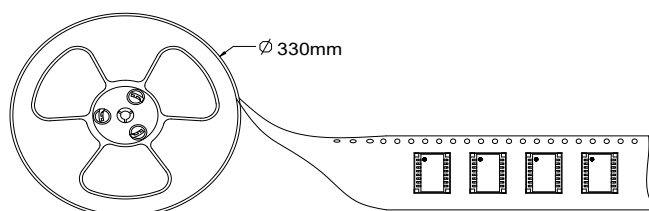
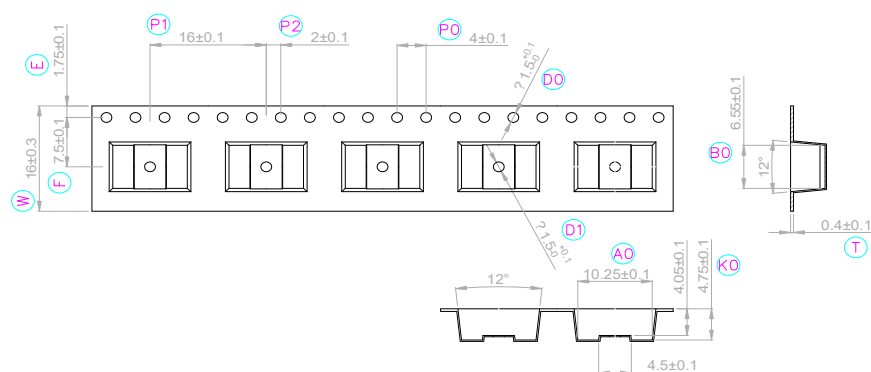
(tp): 20~40s

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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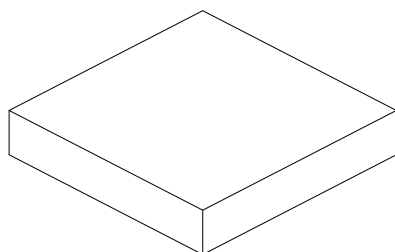
E. PACKAGE INFORMATION



Four Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

One Reel=800Pcs

One Inner Carton=800*4=3200Pcs

One Export Carton=3200*2=6400Pcs

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