

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	ST06002G0
Spec No.:	
Version No.:	V0.1
Description:	Gate-Drive Application

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Silence
Checked By:		Checked By:	/
Approved By:		Approved By:	Jerry
Approved Date:		Issued Date:	2024/7/10

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.

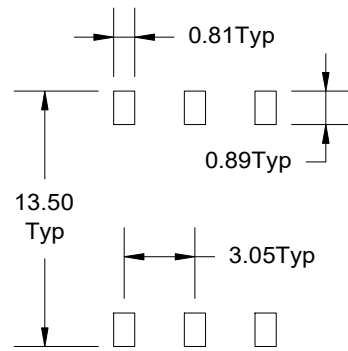
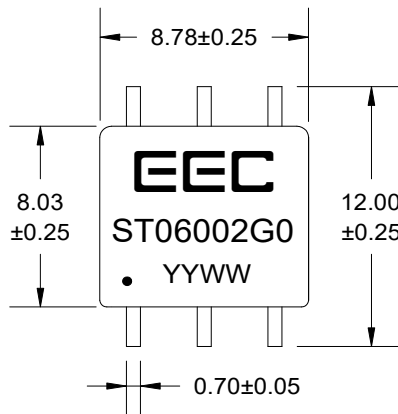


绵阳敦源电子科技有限公司
Mianyang Dunyuan Electronics Technology Co.,Ltd
地址： 四川省绵阳市高新区综合保税区
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

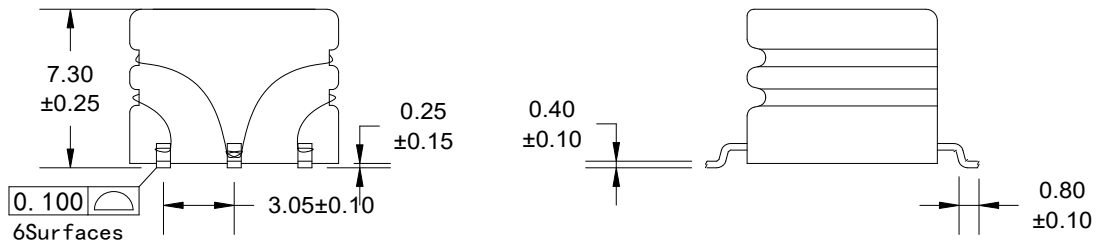
[illegible]

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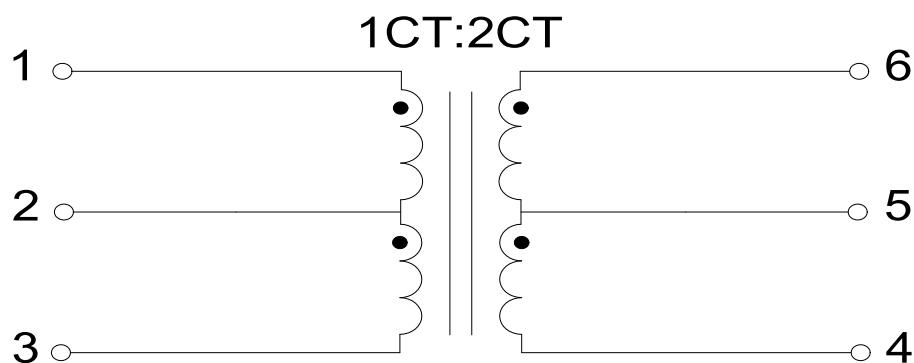
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. Schematics

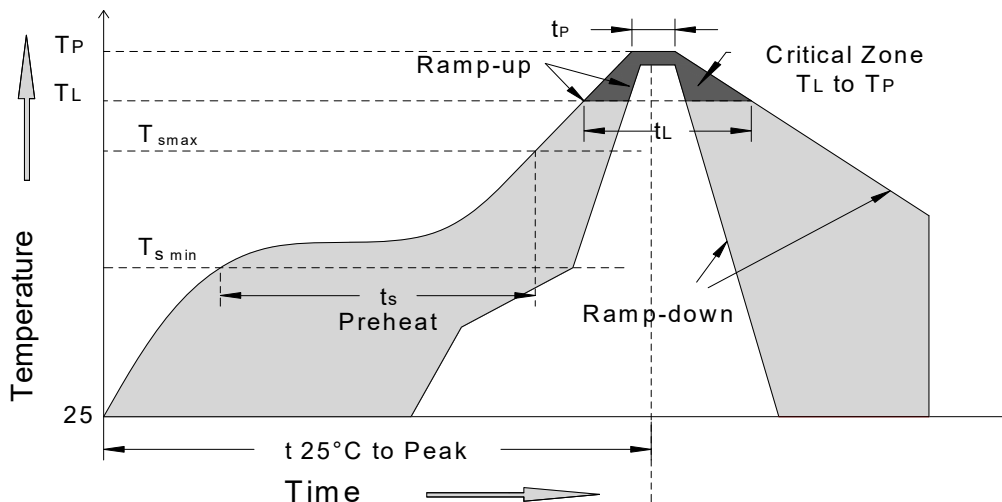


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C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL(Pin1-3): 340uH Min @ 100 KHz, 0.1V @25°C
2. Leakage Inductance: 1.0uH Max @ 100KHz, 0.1V
3. DCR(Pin1-3): 750mΩ Max
DCR(Pin6-4): 1300mΩ Max
4. CW/W: 20 pF Max @ 100 KHz, 0.1V
5. Turns Ratio: (Pin1-3):(Pin6-4)=1CT:2CT±5%
6. Isolation Hipot: 4000Vrms
7. Operating temperature -40°C to +125°C
8. Storage temperature -40°C to +125°C
9. Reinforced insulation, 8mm minimum creepage & clearance distance between PRI&SEC
10. Meet AEC-Q200

D. RECOMMEND REFLOW SOLDERING CURVE

MSL:

Grade: 1 level. Floor life: 0.5 year Condition: $\leq 30^\circ\text{C}/60\%\text{RH}$.

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

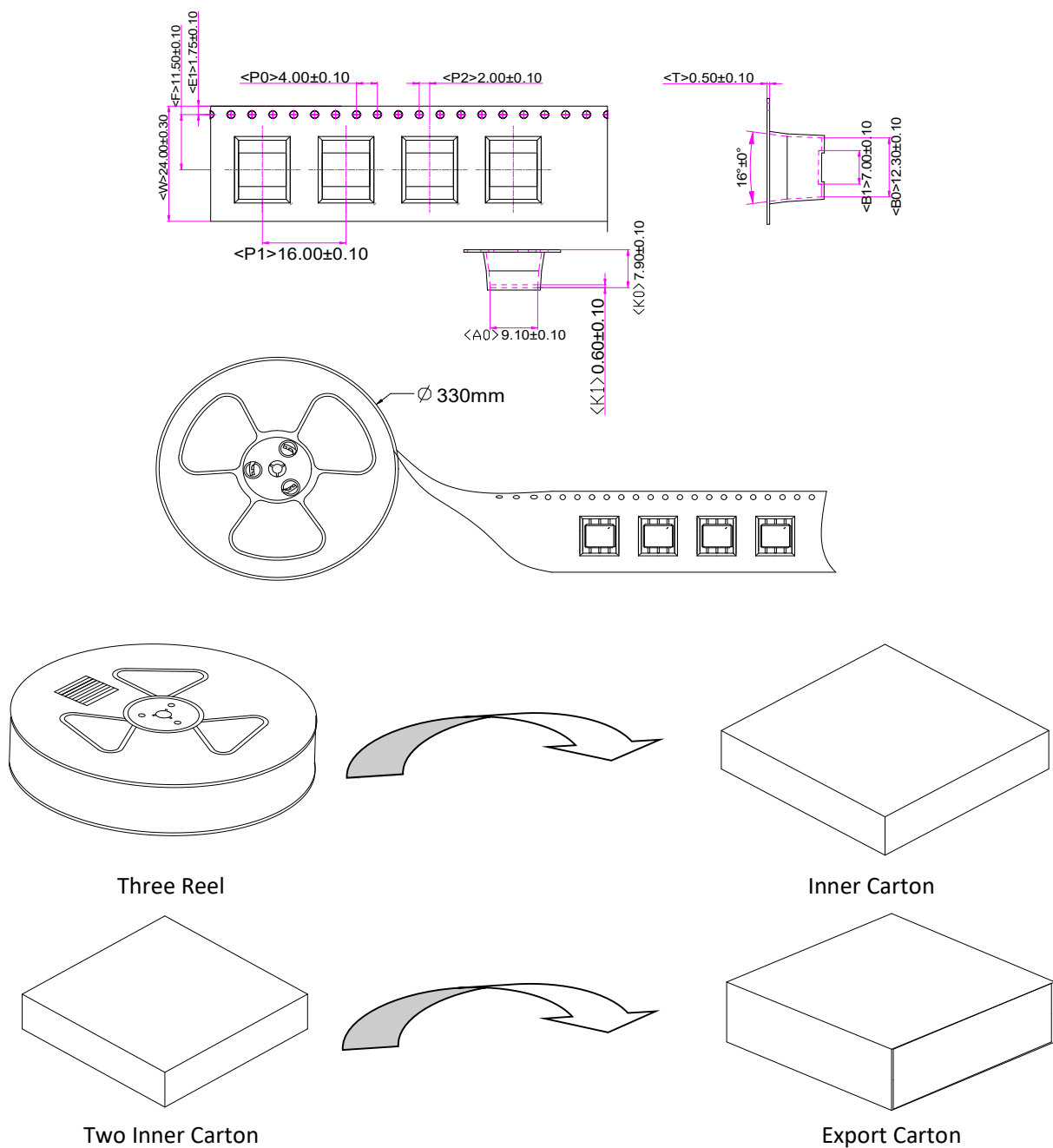
$T_L=217^\circ\text{C}$ $t_L=60\text{s}-150\text{s}$ $T_p=250\pm 3^\circ\text{C}$ Time within 3°C of actual Peak Temperature

(t_p): 20~40s

$T_{s\ min}=150^\circ\text{C}$ $T_{s\ max}=200^\circ\text{C}$ $T_{s\ min}$ to $T_{s\ max}$: 60s-180s, 25°C to peak Temperature: 8minutes max

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E. Packaging specification



Package Quantity:

One Reel=500Pcs

One Inner Carton=500*3=1500Pcs

One Export Carton=1500*2=3000Pcs

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