

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	ST06204A0
Spec No.:	
Version No.:	V0.1
Description:	1CT:1.33CT
	Transformer
	BMS Application
	Meet AEC-Q200 Standard

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Duffy
Checked By:		Checked By:	
Approved By:		Approved By:	Jerry
Approved Date:		Issued Date:	2024/7/17

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

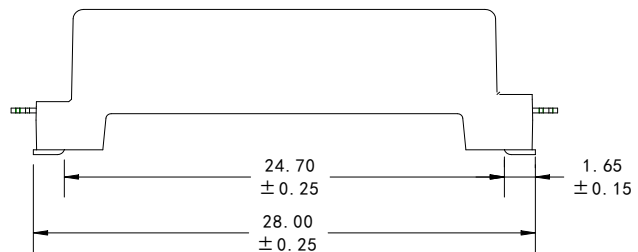
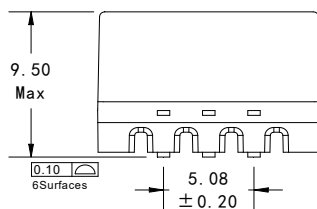
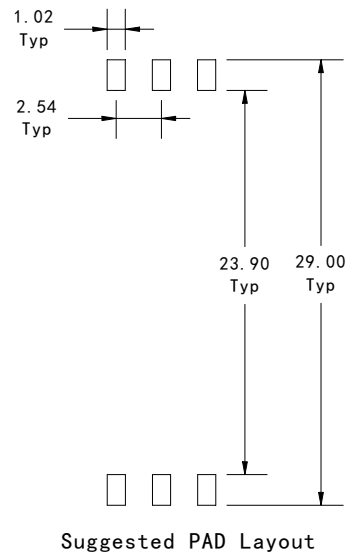
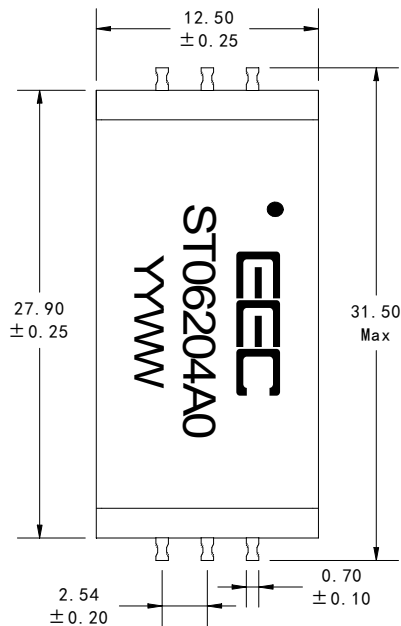
Specification for Approval

Revision History

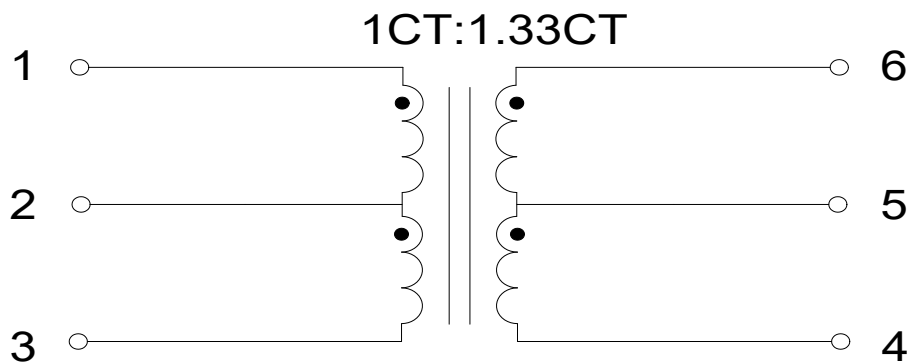
[illegible]

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A. MECHANICAL(unit:mm)



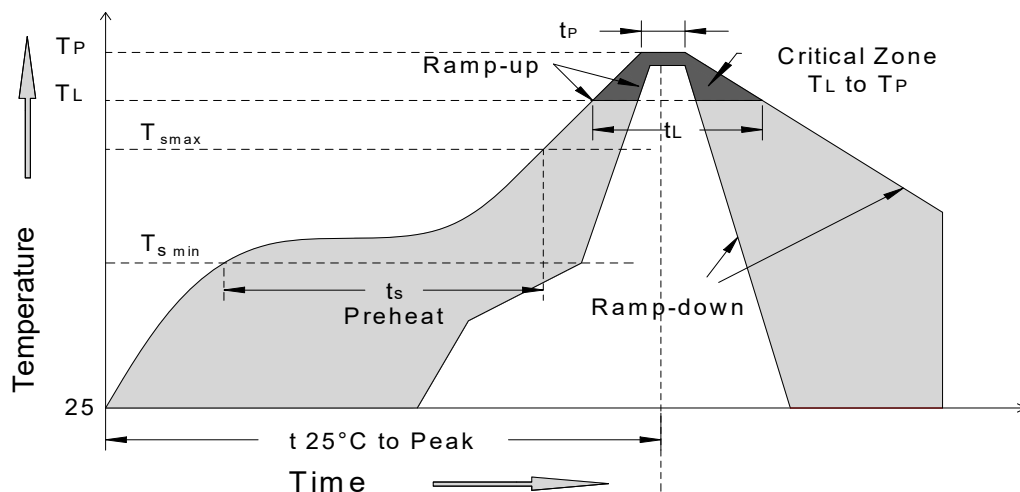
B. Schematics



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C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL(1-3:6-4): 350±40%uH Min. @ 100 KHz, 0.1V(-40°C ~ +125°C)
2. Leakage Inductance(1-3,with 6-4 shorted): 1.0uH Max @ 100KHz, 0.1V
3. DCR: Pri. side(1-3): 600mΩ Max
Sec. side(6-4): 800mΩ Max
4. Turns Ratio(1-3:6-4): 1CT:1.33CT±5%
5. CWW(1-2-3:6-5-4): 1CT:1.33CT±5%
6. Isolation Hipot: 6000VDC 1mA 60S (Equivalent to 4400VAC 1mA 60S) or 5400VAC 1mA 2s
7. Reinforced Insulation At a Working Voltage Of 1500VDC And The Creepage Distance Of 16.6mm Min And The clearance distance Of 16.6mm Min
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. RoHS Compliant

D. RECOMMEND WAVE SOLDERING CURVE

MSL:

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

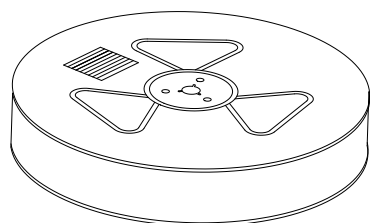
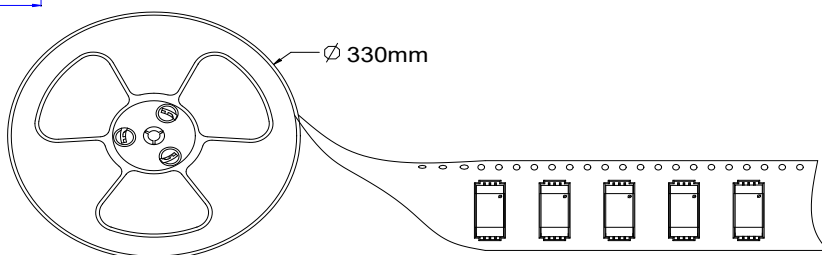
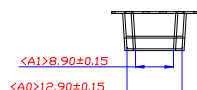
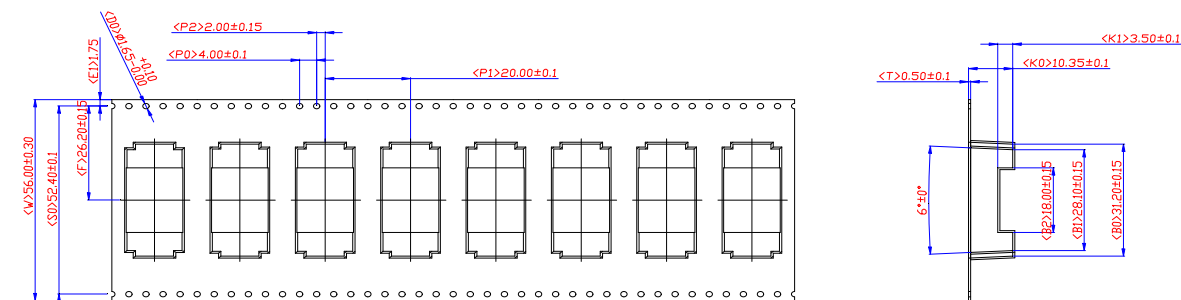
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

$T_L=217^\circ\text{C}$ $t_L=60\text{s}-150\text{s}$ $T_P=250\pm 3^\circ\text{C}$ Time within 5°C of actual Peak Temperature (t_P): 20~40s

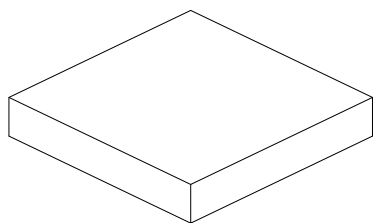
$T_{s\ min}=150^\circ\text{C}$ $T_{s\ max}=200^\circ\text{C}$ $T_{s\ min}$ to $T_{s\ max}$: 60s-180s, 25°C to peak Temperature: 8minutes max

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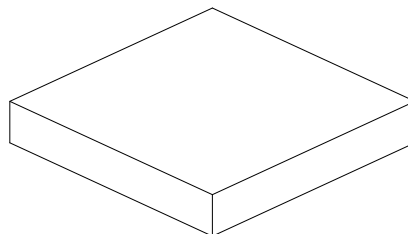
E. Packaging specification



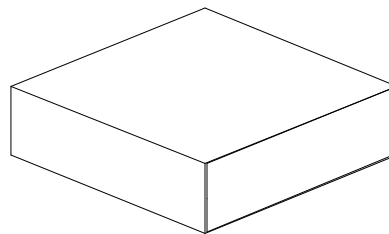
One Reel



Five Inner Carton



Inner Carton



Export Carton

Package Quantity:

One Reel=300Pcs

One Inner Carton=300*1=300Pcs

One Export Carton=300*5=1500Pcs

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