

Specification for Approval

Customer:	
Customer P/N:	
EEC P/N:	DG96502N0
Spec No.:	
Version No.:	V0.1
Description:	100/1000 BASE-T
	Laser Marking

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Yuqing,He
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.

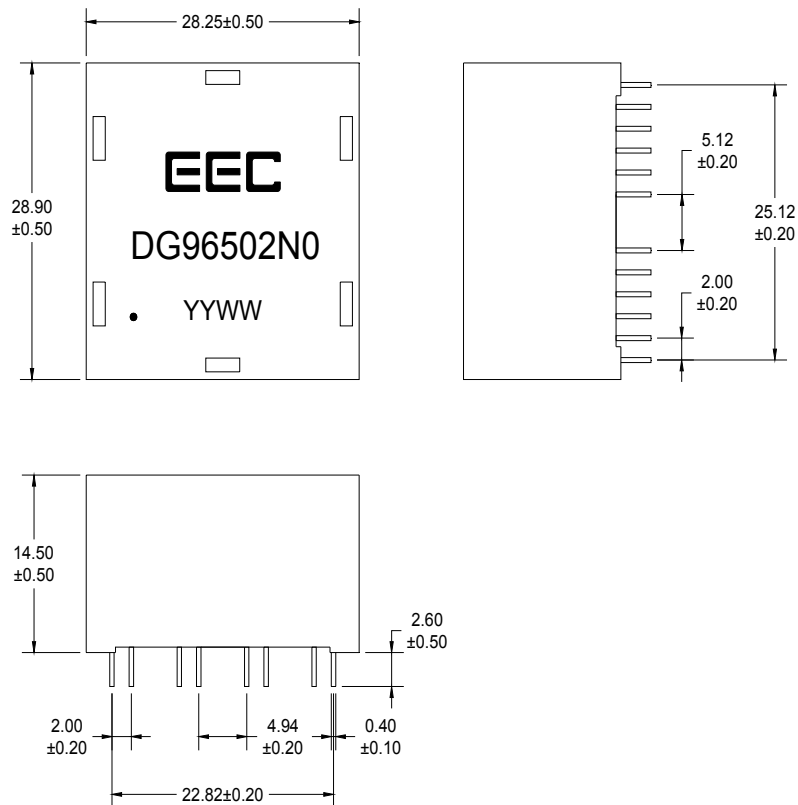


绵阳敦源电子科技有限公司
Mianyang Dunyuan Electronics Technology Co.,Ltd
地址： 四川省绵阳市高新区综合保税区
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

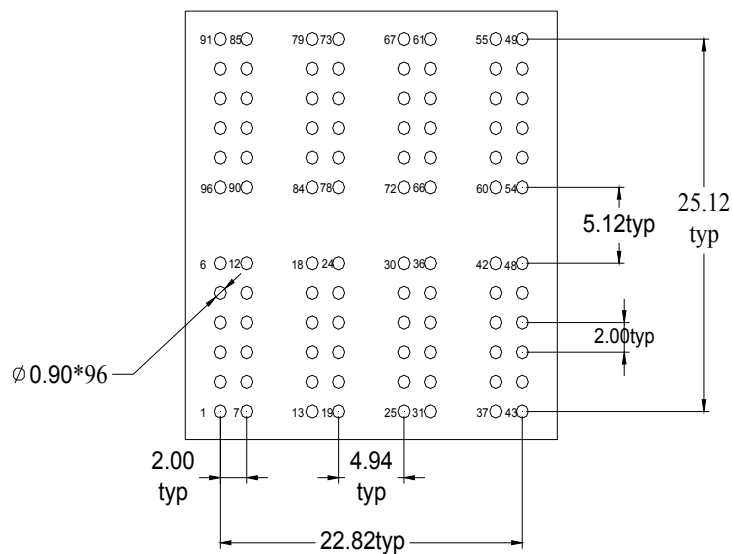
[illegible]

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A. MECHANICAL(unit:mm)

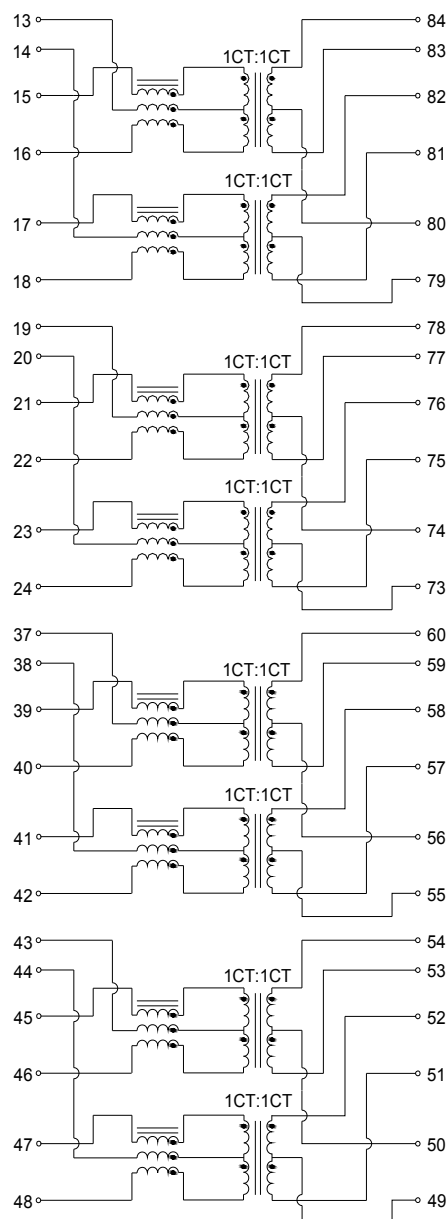
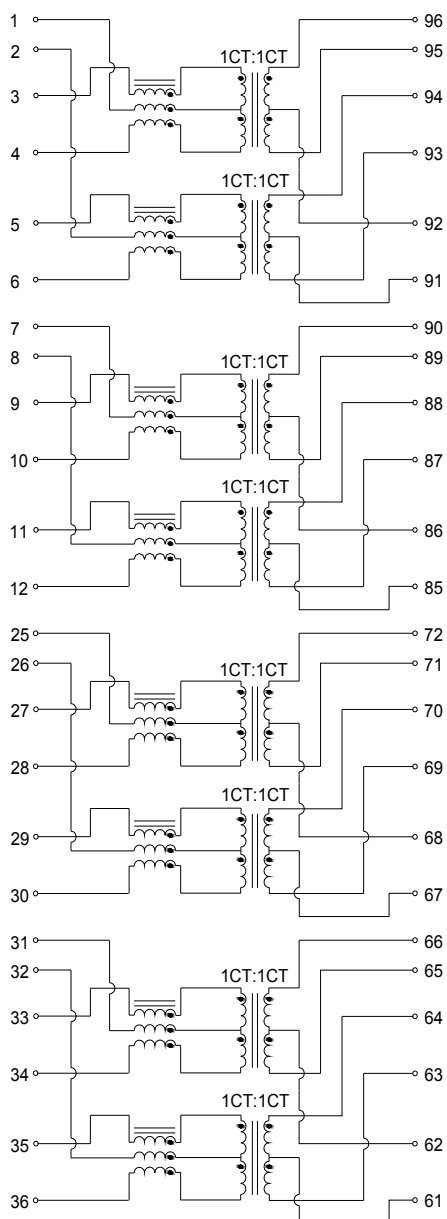


B. PCB Layout mounting Hole(Top View)



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C. SCHEMATICS

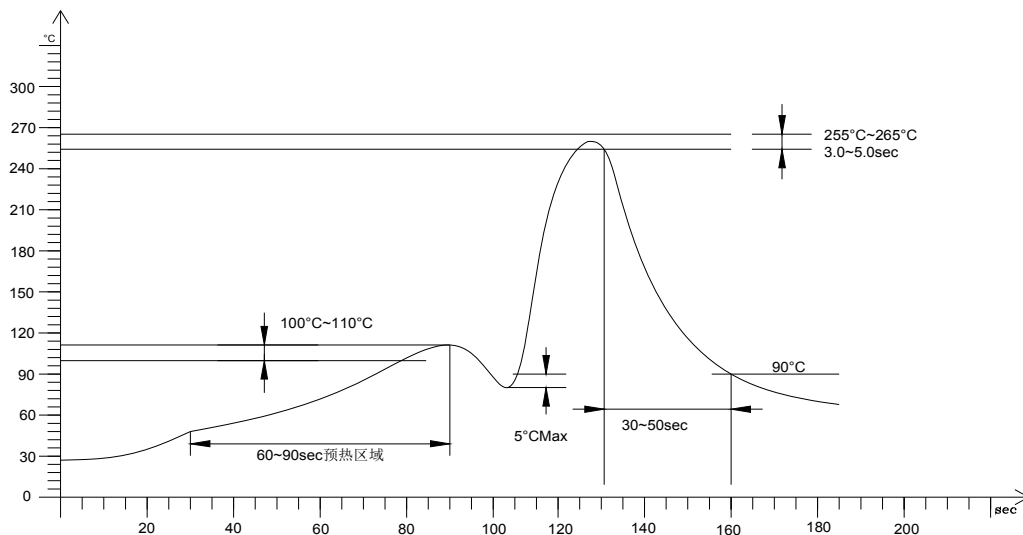


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D. ELECTRICAL SPECIFICATIONS @25°C

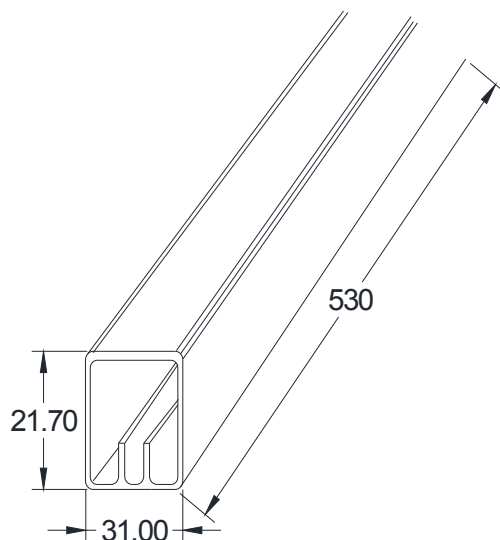
Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C

1. OCL: 350 uH Min @ 100KHz, 0.1V 8mA DC BIAS
2. Leakage Inductance: 0.5 uH Max @ 100KHz, 0.1V
3. DCR: 1400 mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.2 dB Max @ 0.5-1 MHz
-0.2-0.002*f^{1.4} dB Max @ 1-125 MHz
6. Return Loss: -16 dB Min @ 1-40 MHz
-10+20*log (f/80) dB Min @ 40.1-100 MHz
7. Cross Talk: -30 dB Min @ 1-100 MHz
8. Common Mode Rejection: -30 dB Min @ 1-100 MHz
9. Isolation Hipot: 1500VAC 1mA 60S
10. Operating temperature 0°C to +70°C
11. Storage temperature -40°C to +85°C

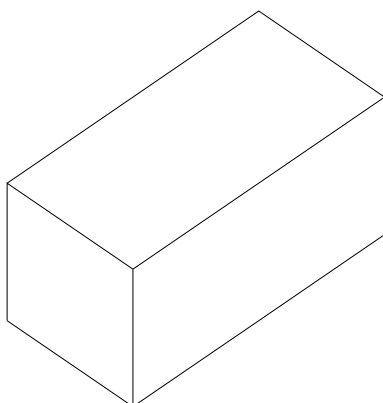
D. RECOMMEND WAVE SOLDERING CURVE

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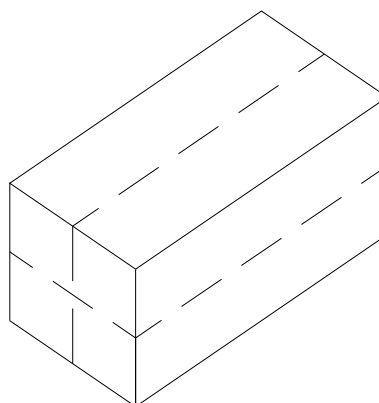
E. Packaging specification



Tube: 530*31.00*21.70mm



Inner Carton: L575*W170*H87mm



Export Carton: L583*W380*H210mm

Package Quantity:

One Tube=17Pcs

One Inner Carton=17*20=340Pcs

One Export Carton=340*4=1360Pcs

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