

Specification for Approval

Customer: _____
Customer P/N: _____
EEC P/N: DG72K01N0
Spec No.: _____
Version No.: V0.1
Description: 100/1000 BASE-T
Laser Marking

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.



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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

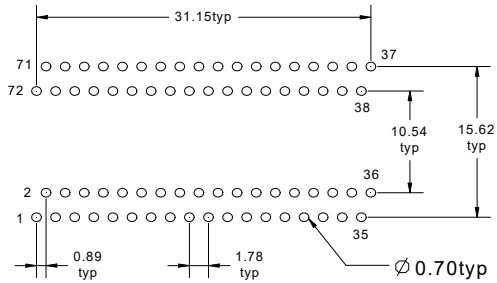
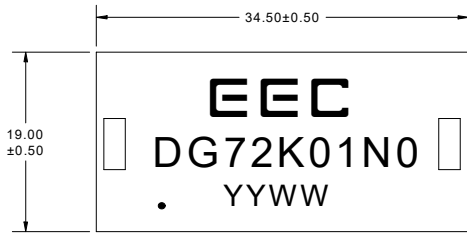
Revision	Changed Date	Request By	Change Content
V0.1	2024/7/17	Duffy	New Version Release

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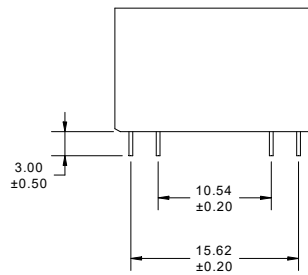
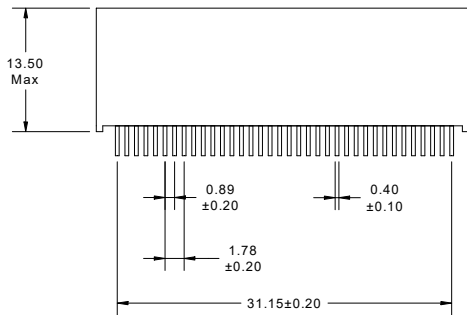


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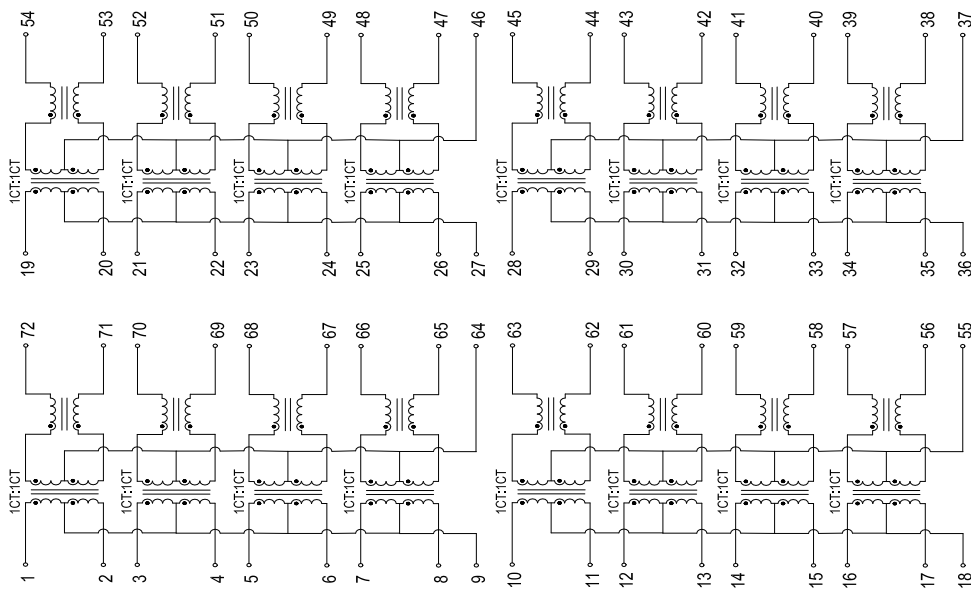
A. MECHANICAL(unit:mm)



SUGGESTED PAD LAYOUT



B. Schematics



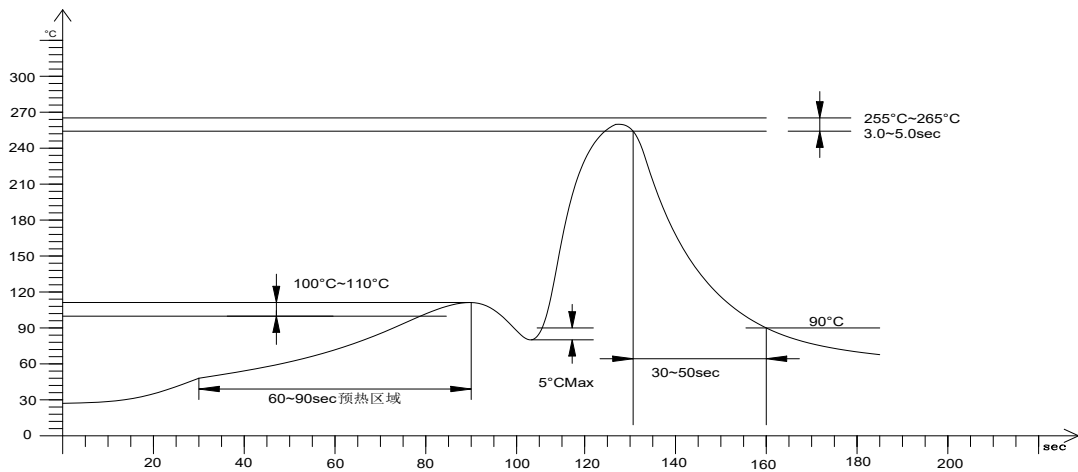
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C. ELECTRICAL SPECIFICATIONS @25°C

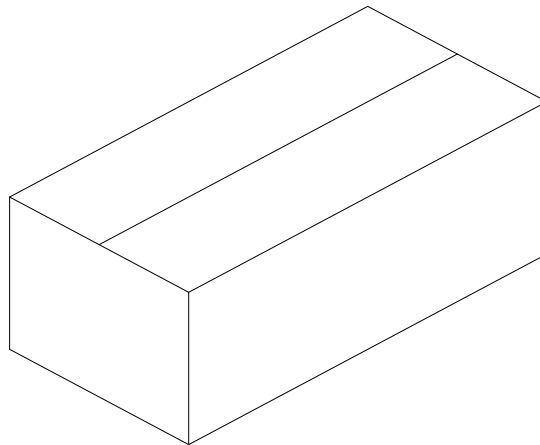
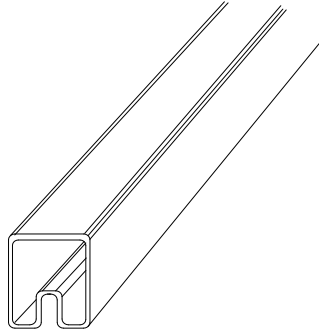
Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C

1. OCL: 350uH Min @ 100KHz, 0.1V 8mA DC BIAS
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: 1400mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -1.1 dB Max @ 1-100 MHz
6. Return Loss: -18 dB Min @ 1-30 MHz
 - 14.4 dB Min @ 40 MHz
 - 13.1 dB Min @ 50 MHz
 - 12 dB Min @ 60-80 MHz
 - 10 dB Min @ 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

Carton: L550*W255*H195mm

Package Quantity:

One Tube=14Pcs

One Carton=14*108=1512Pcs

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