

Specification for Approval

Customer: _____

Customer P/N: _____

EEC P/N: LC-2012A-T Series

Spec No.: _____

Version No.: V0.1

Description: Common Mode Choke

Customer Approval		EEC Approval	
Inspected By:		Issued By:	Fuming Chen
Checked By:		Checked By:	Mingrui, Song
Approved By:		Approved By:	Focus Wang
Approved Date:		Issued Date:	2022/11/12

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

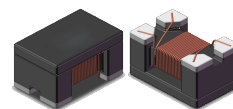
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

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1 Features And Benefits

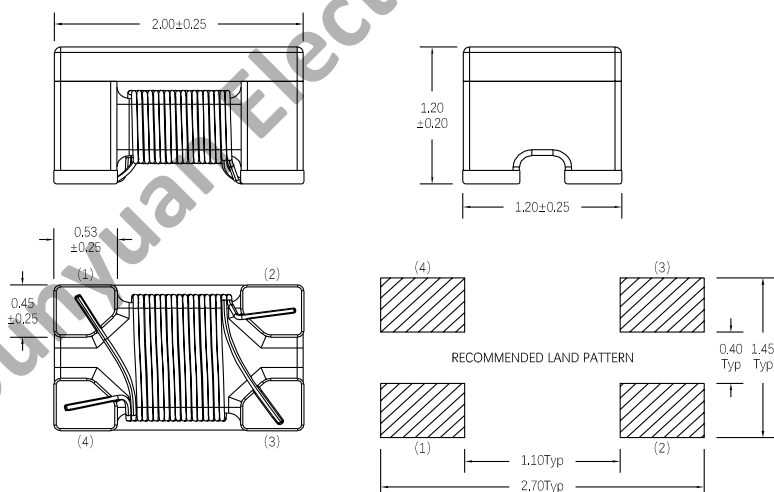
- High common mode impedance at high frequency effects excellent noise suppression performance
- 90Ω~1200Ω are optional for different noise level and signal frequency
- Suppression of Common Mode Noise Without Attenuating The Signal
- High-Quality Product That Uses Auto Winding
- Operating temperature -40°C to +85°C
- Available in 2012(0805) Size
- RoHS Compliant



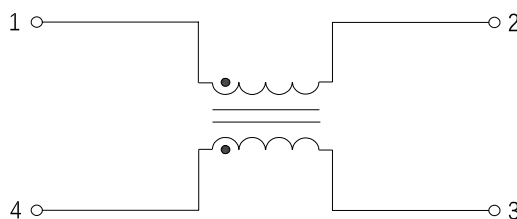
2 Electrical Specifications @ 25°C

Part Number	Common Mode Impedance (Ω typ) @100MHZ	DC Resistance (Ω MAX)	Rated Voltage (Vdc)	Rated Current (mA MAX)	Withstanding Voltage (Vdc)	Insulation Resistance (MΩ MIN)
LC-2012A-900T0	90	0.35	50	300	125	10
LC-2012A-181T0	180	0.35	50	300	125	10
LC-2012A-261T0	260	0.4	50	300	125	10
LC-2012A-361T1	360	0.45	50	300	125	10
LC-2012A-381T0	380	0.45	50	300	125	10
LC-2012A-801T0	800	0.88	50	300	125	10
LC-2012A-102T0	1000	1.3	50	300	125	10
LC-2012A-122T0	1200	1.5	50	300	125	10

3 Dimensions (mm)& recommend layout

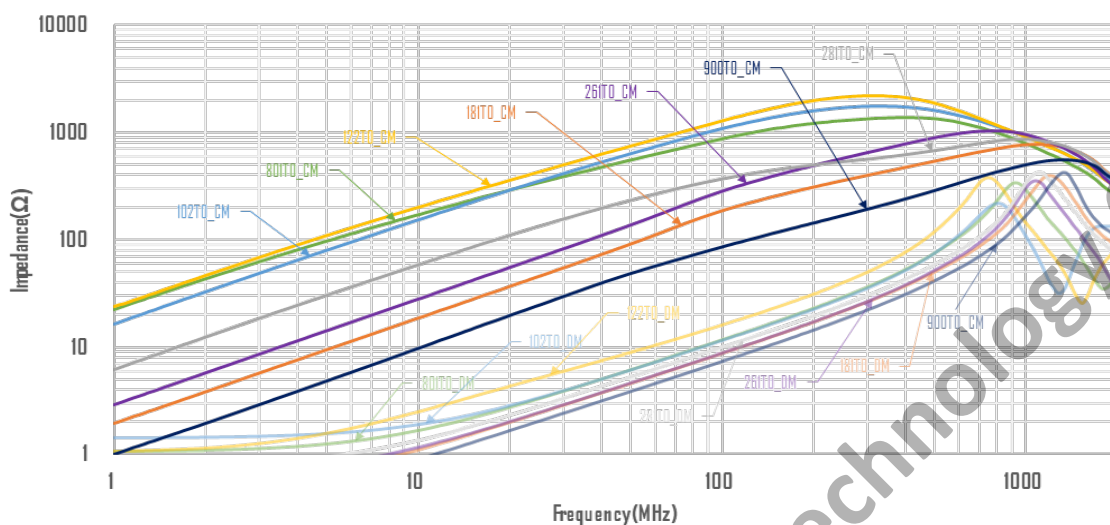


4 Schematics

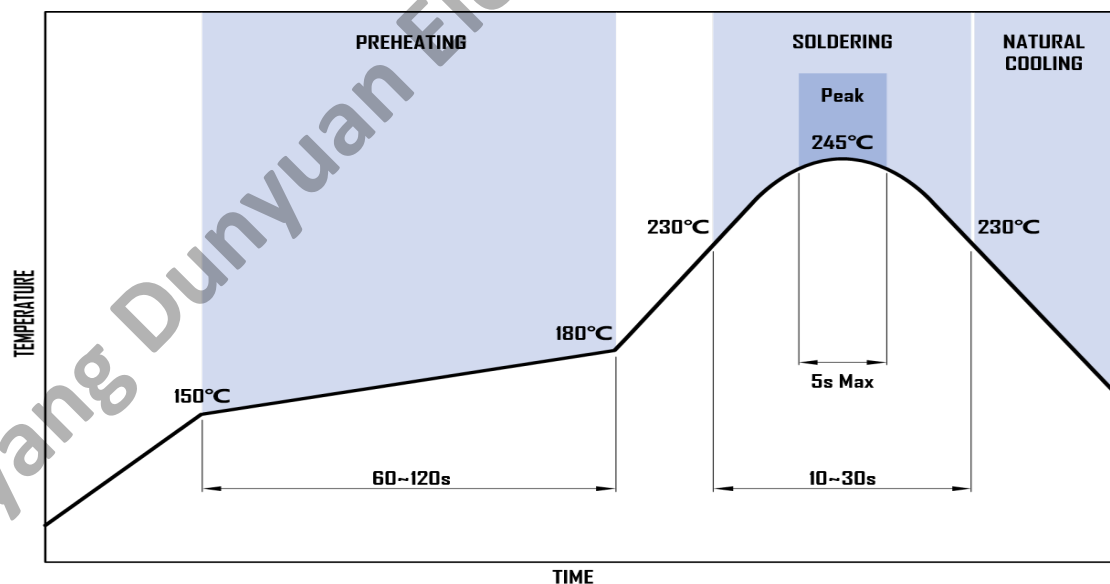


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5 Impedance VS. Frequency

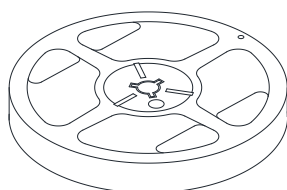
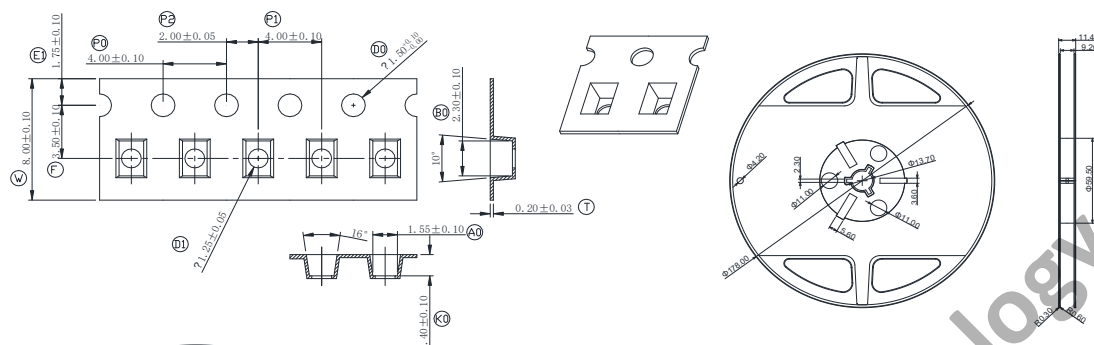


6 Recommended Reflow Profile



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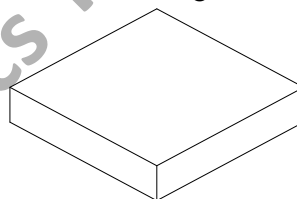
7 Packaging specification



Five Reel

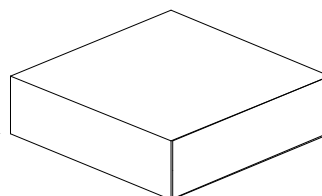
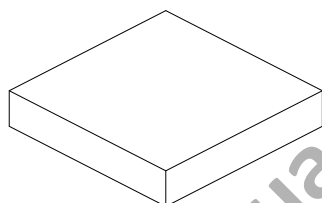


One Cartridge



Four Cartridge

One Inner Carton



Four Inner Carton

One Export Carton

Package Quantity:
One Reel=2K Pcs
One Cartridge=2K*5=10K Pcs
One Inner Carton=10K*4=40K Pcs
One Export Carton=40K*4=160K Pcs

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