

Specification for Approval

Customer: _____

Customer P/N: _____

EEC P/N: AC-4532A-U0 Series

Spec No.: _____

Version No.: V0.1

Description: Automotive 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

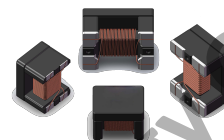
ADD: Comprehensive Bonded Zone, High-Tech Industrial Development Zone Mianyang, SiChuan

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DESCRIPTION	EEC P/N:	SPEC NO.:	VERSION NO.: V0.1
Common Mode Choke	AC-4532A-U0 Series		PAGE: 1/4

1 Features And Benefits

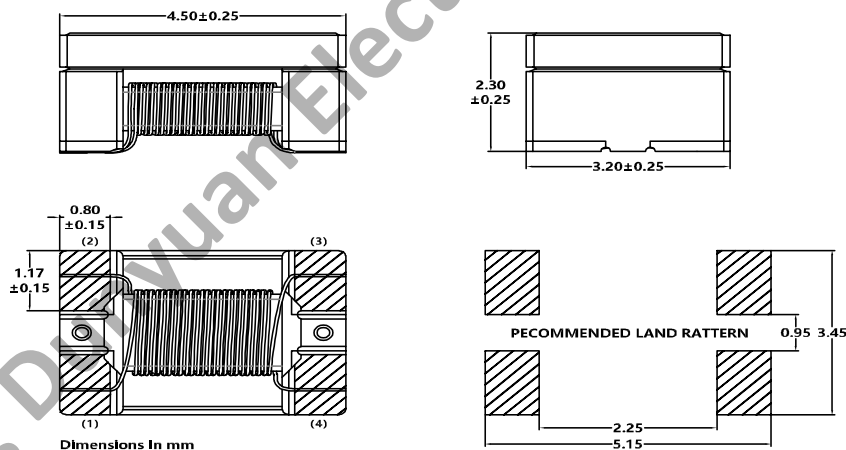
- Suppression of common mode noise without attenuating the signal
- Supports CAN-Bus, A2B and other IVN high speed differential signal lines (LVDS) for Automotive and Industrial use including PLC data lines
- Passes IEC6228-3 CLASS 3 performance and CiA 110
- High Common Mode Impedance at 10MHz
- Meets AEC-Q200 Requirement
- R&D and Factory IATF-16949 Certified
- Operating temperature -55°C to +150°C
- Rated Voltage 50v Max



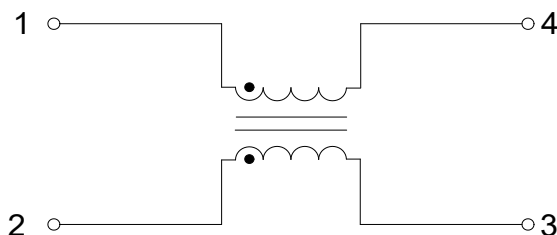
2 Electrical Specifications @ 25°C

Part Number	Common Mode Impedance (10MHZ)		Inductance (uH) +50/-30%	RDC (Ω)Max	Leakage Inductance (nH) typ	Isolation Resistance (MΩ) Min	Rated Current (mA) Max	Rated Voltage (V) Max
	ΩMin	Ωtyp						
AC-4532A-110U0	300	600	11	1.2	50	10	250	50
AC-4532A-220U0	500	1200	22	1.4	80	10	200	50
AC-4532A-510U0	1000	2800	51	1.8	150	10	200	50
AC-4532A-101U0	2000	5800	100	2.5	200	10	150	50

3 Dimensions (mm)& recommend layout

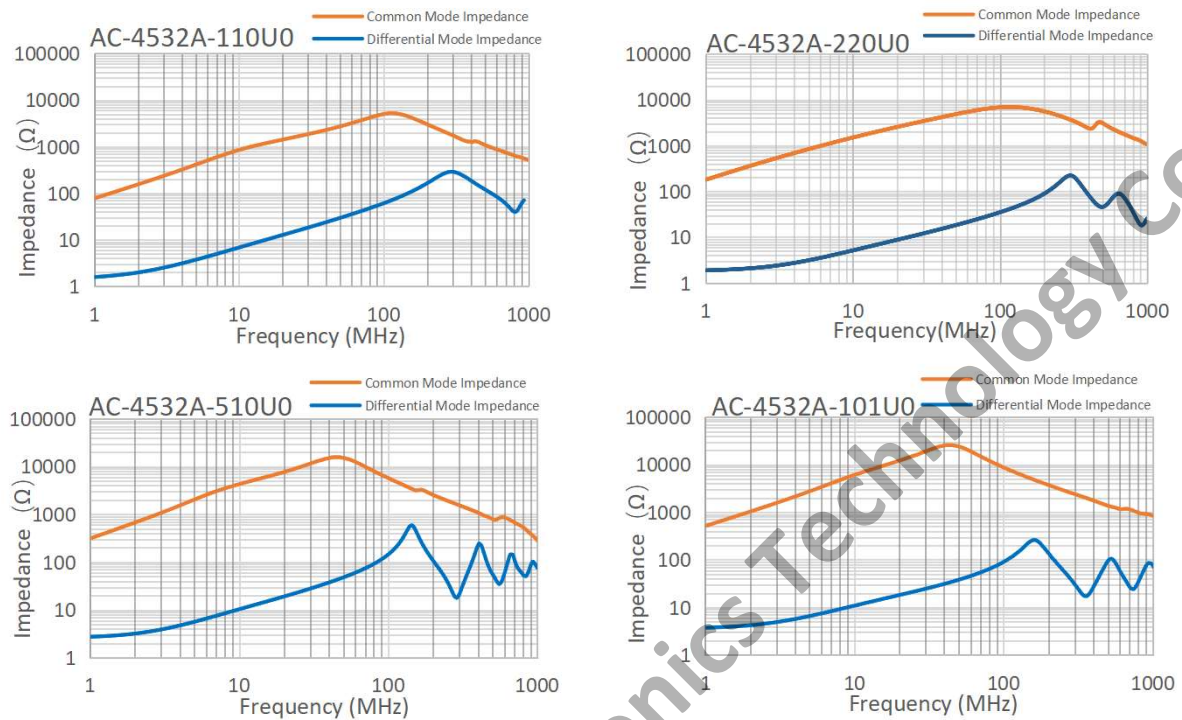


4 Schematics

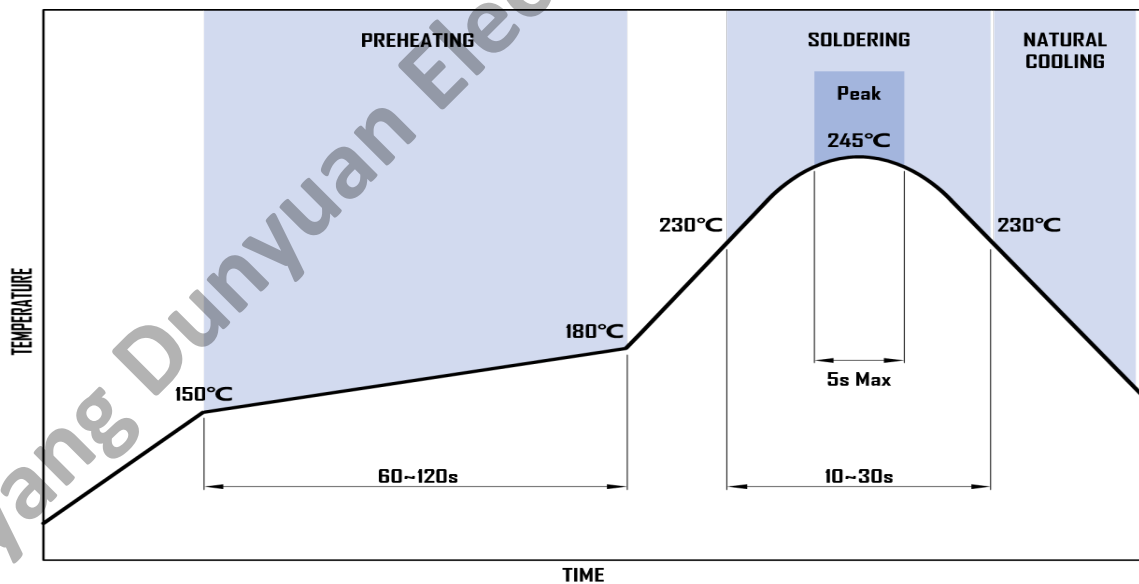


DESCRIPTION	EEC P/N:	SPEC NO.:	VERSION NO.: V0.1
Common Mode Choke	AC-4532A-U0 Series		PAGE: 2/4

5 Impedance VS. Frequency

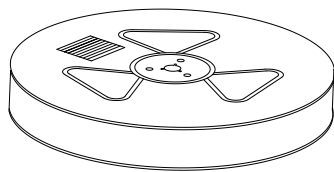
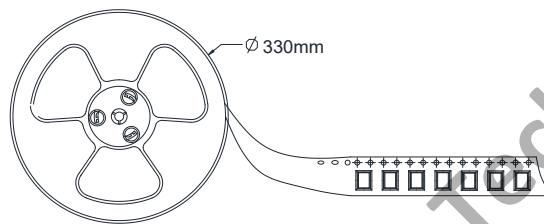
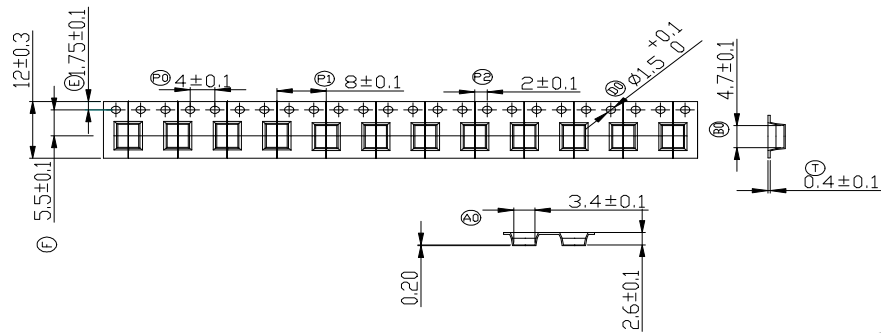


6 Recommended Reflow Profile

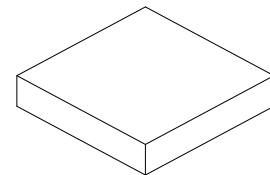


DESCRIPTION	EEC P/N:	SPEC NO.:	VERSION NO.: V0.1
Common Mode Choke	AC-4532A-U0 Series		PAGE: 3/4

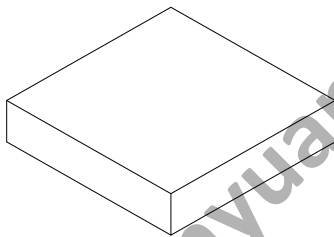
7 Packaging specification



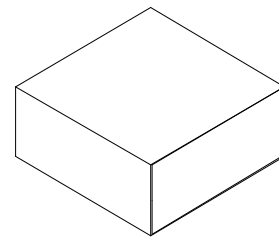
Four Reel



Inner Carton



Five Inner Carton



Export Carton

Package Quantity:

One Reel=2000 Pcs

One Inner Carton=2000*4=8000 Pcs

One Export Carton=8000*5=40000 Pcs

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Common Mode Choke	AC-4532A-U0 Series		PAGE: 4/4