

# Specification of Cjiang products

Customer	
Product Name	WireWoundChipCommonModeChokeCoil
Customer P/N:	
Cjiang P/N:	FACT3225T Series

[  New Released,  Revised]

SPEC No:

REMARK:		
Customer Approval Feedback		

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### Version change history

Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2025/11/12	Document formulation	BOND	Charles	Roy

**Caution :**

All products listed in this specification are developed, designed and intended for use in general electronics equipment. The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require especially high reliability, or whose failure, malfunction or trouble might directly cause damage to society, person, or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below. Please contact us for more details if you intend to use our products in the following applications.

1. Aircraft equipment.
2. Aerospace equipment.
3. Undersea equipment.
4. Nuclear control equipment.
5. Military equipment.
6. Power plant equipment.
7. Medical equipment.
8. Traffic signal equipment.
9. Disaster prevention / crime prevention equipment.
10. Data-processing equipment.
11. Applications of similar complexity or with reliability requirements comparable to the applications listed in the above.
12. This series of products of our company apply to regular use in general automotive electronics and in-car electronics.

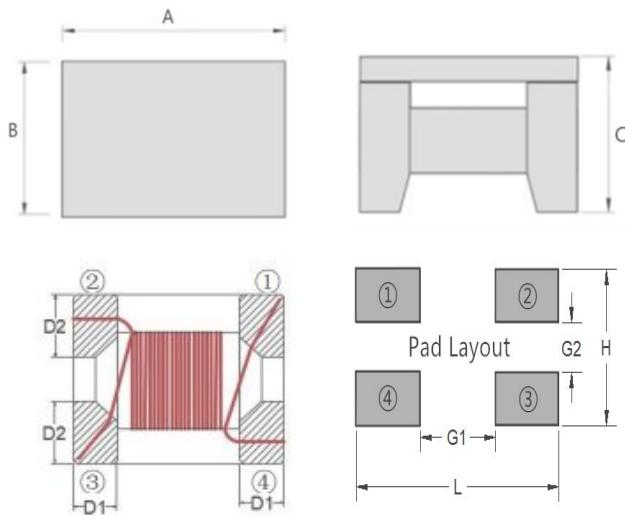
Not applicable to components related to driving safety of automobiles.

The company does not guarantee the applicability or performance of this series related to equipment failures during the operation of automobiles — including but not limited to brake failure, driving failure, poor operation, and other failures that may cause damage to the lives, bodies, or property of human, as well as applications that may have significant social impact (hereinafter referred to as "specific uses").

## General Description

1. AEC-Q200 compliant.
2. Manufactured in TS/ATF 16949 production lines.
3. This specification is applied to FACT3225T Series Common Mode Choke.
4. Operating Temperature Range : -40 °C ~ +155 °C ,Storage condition : Temperature -10 ~ +40 °C,Relative Humidity 40%~60%.

## Appearance & Shape



## Dimension (Unit:mm)

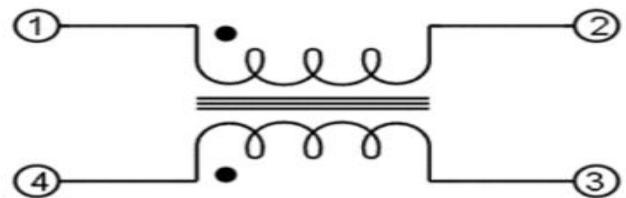
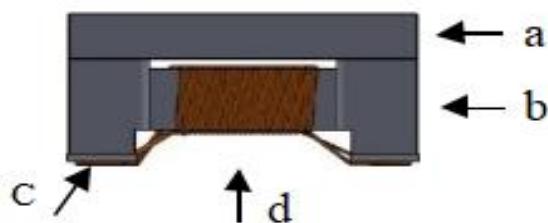
Series:	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	G1(mm)	G2(mm)	H(mm)	L(mm)
FACT3225T	3.2±0.2	2.5±0.2	2.3±0.2	0.73±0.2	0.95±0.2	1.8 Typ	0.6 Typ	2.9 Typ	3.7 Typ

## Part Number

FACT 3225 T -110 -2P -T  
 ① ② ③ ④ ⑤ ⑥

- ① Series name
- ② Dimension
- ③ Category(Automotive)
- ④ 11UH
- ⑤ 2 lines
- ⑥ Packing (Tape & Reel)

## Equivalent Circuit / Materials



NO.	Description	Specification
a	Upper Plate	Ferrite
b	Core	Ferrite Core
c	Termination	Ag/Ni/Sn
d	Wire	Enamelled Copper Wire

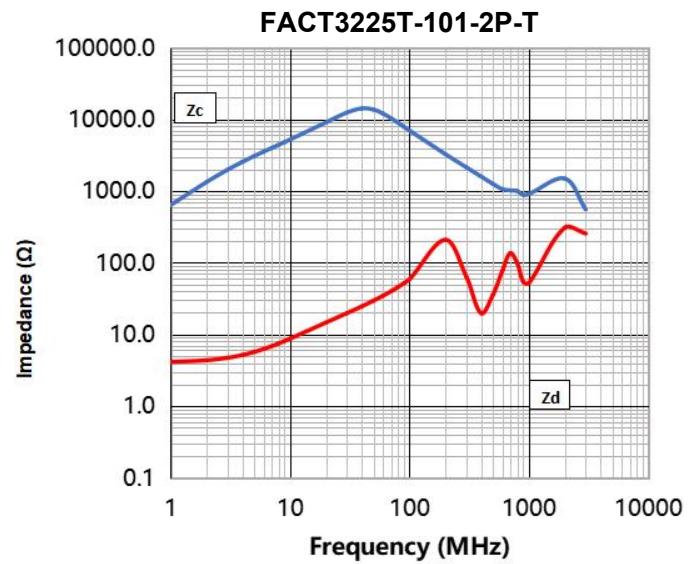
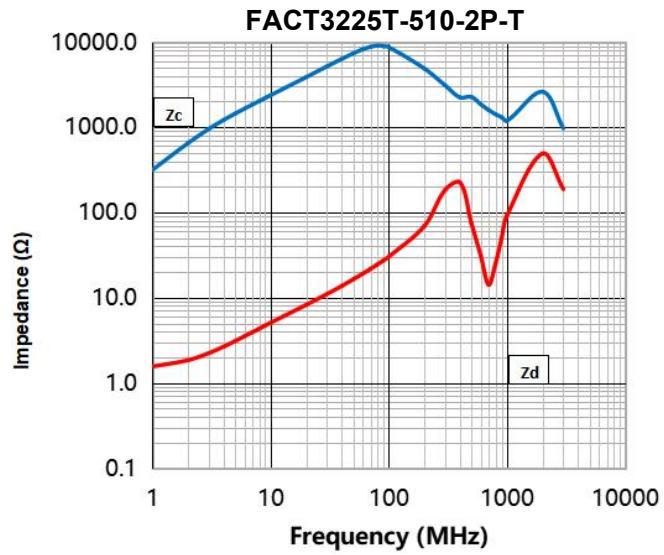
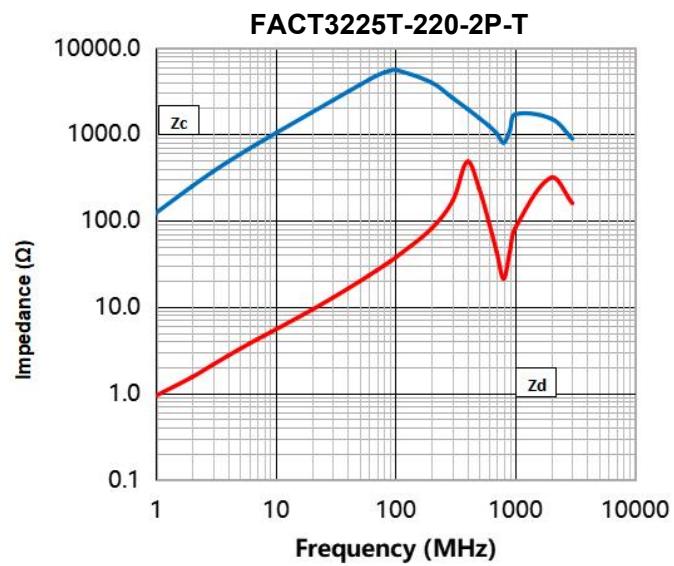
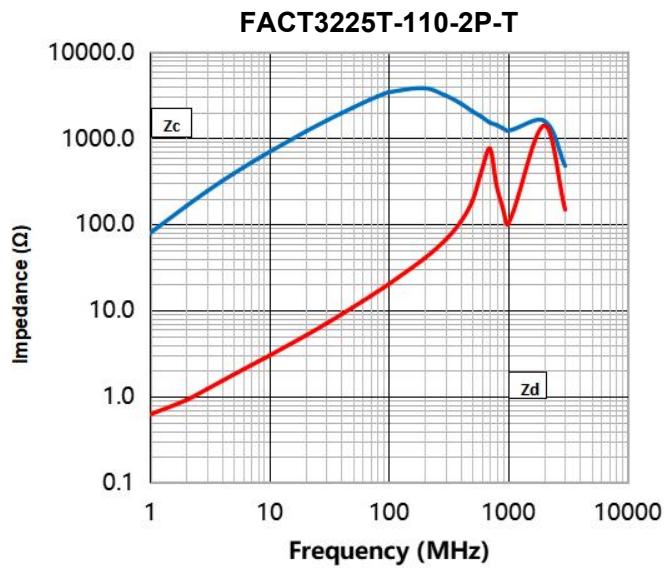
## Test Method

Test item	Technical data and measuring conditions
Impedance	Measured with Agilent 4287A RF LCR Meter (or equivalent) at 10MHz, 100 mV, +23°C ±3°C, Impedance is specified for both windings connected in parallel.
Inductance	Measured with Tonghui TH2832 LCR Meter (or equivalent) at 100KHz, 100 mV, +23°C ±3°C, For windings with a single-winding connection, the inductance value is clearly specified.
DCR	Measured with Tonghui TH2832 LCR Meter (or equivalent) at Rated Inductance LR 100KHz, 100 mV, +23°C ±3°C, For windings with a single-winding connection, the inductance value is clearly specified.
Rated Current	Based on the temperature increase (temperature increase +40°C by self-heating) Ambient temperature: +25°C Itemp are reference values evaluated under consideration of generic multilayer PCB.

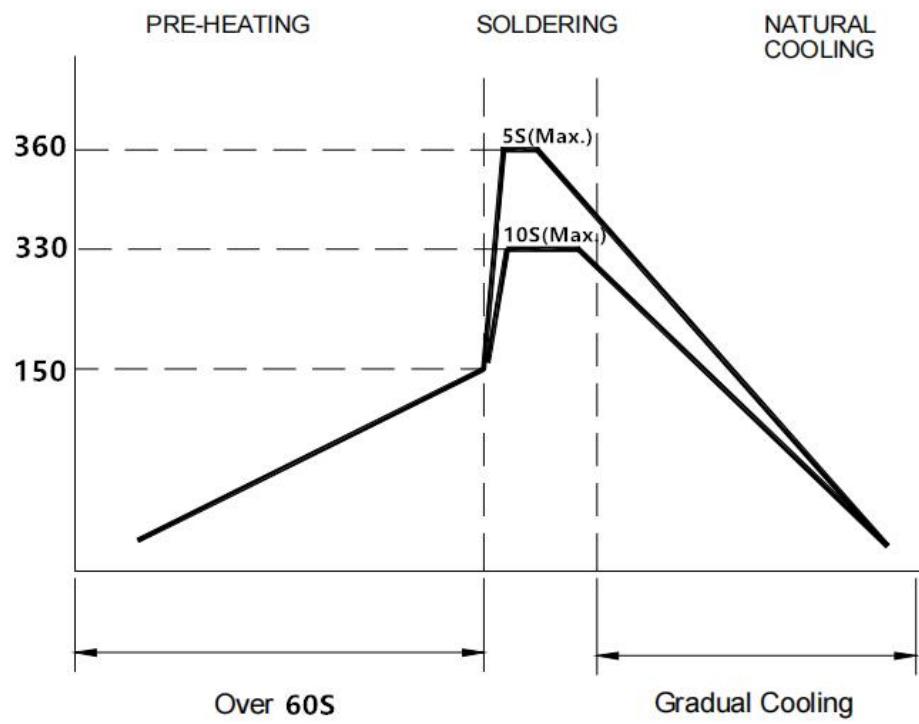
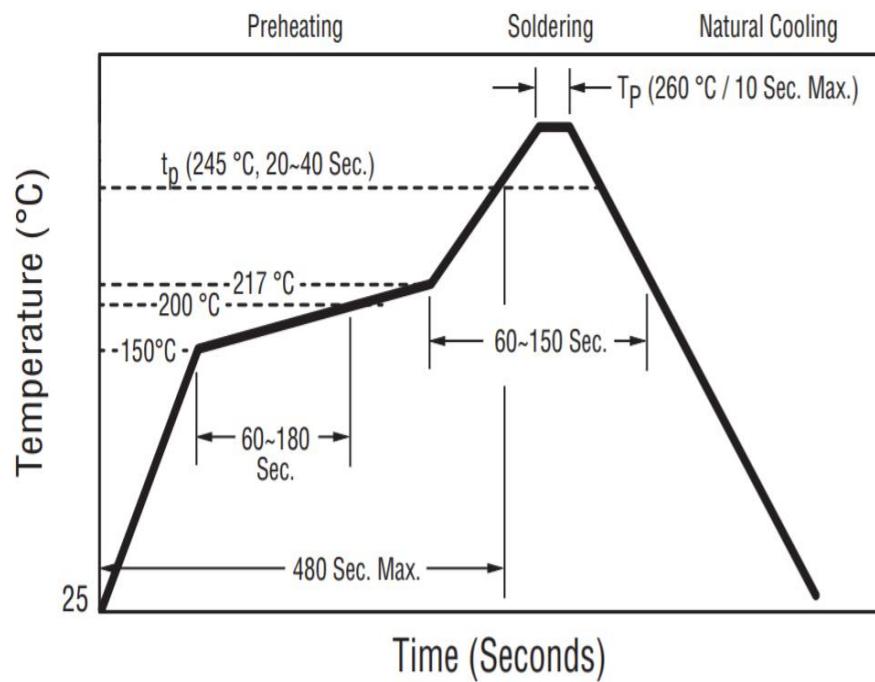
## Electrical Characteristics

Part Number	Impedance (Ω) &[10MHz]		Inductance [100kHz/0.1V]	DC Resistance (Ω)Max.	Rated Current (mA)Max.	Rated Voltage. (Vdc)Max	IR (MΩ)Min.
	Min	Typ					
FACT3225T-110-2P-T	300	550	11	0.4	300	80	10
			+50%/-30%				
FACT3225T-220-2P-T	500	1100	22	0.5	250	80	10
			+50%/-30%				
FACT3225T-510-2P-T	1000	2600	51	0.7	200	80	10
			+50%/-30%				
FACT3225T-101-2P-T	2200	5100	100	1.5	150	80	10
			+50%/-30%				

## Curve Frequency(MHz)

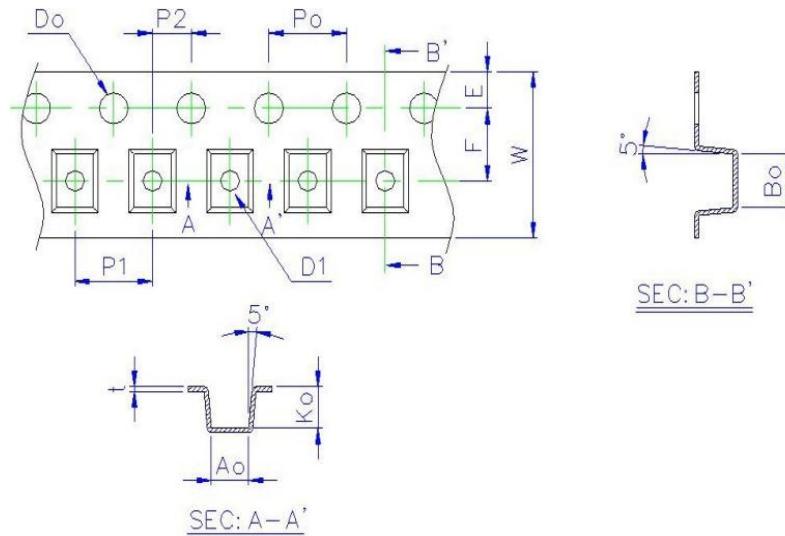


## General Reflow Profile & Iron Soldering



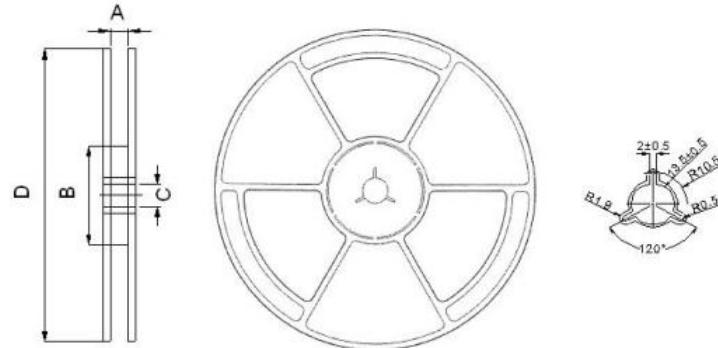
## Packaging

### (1) Tape Dimensions(Unit:mm)



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
FACT3225T	2.8±0.10	3.5±0.10	2.65±0.10	12.0±0.10	1.75±0.10	5.50±0.05	4.0±0.05	8.0±0.10	1.5±0.05

### (2) Reel



13" x 12mm

Type	A(mm)	B(mm)	C(mm)	D(mm)
13" x 12mm	13.5 ±0.5	60.0 ±2	13.5 ±0.5	330.0 ±2

Part No.	Tape	MPQ
FACT3225T	Embossed Tape	2000 Pcs