



Wire Wound Chip Common Mode Choke —AMCW-F Serie

Operating Temp. : -40°C~+150°C



FEATURES

- Winding type, small size and low profile
- Manufactured with fully-automated processes for high reliability and consistent quality
- Excellent solderability
- AEC-Q200 verified

APPLICATIONS

- Automotive CAN-FD system

PRODUCT IDENTIFICATION

AMCW

①

4532

②

F

③

-2

④

-101

⑤

I

⑥

①

Type	
AMCW	Winding Type Common Mode Choke

②

External Dimensions (L×W) (mm)	
3225 [1210]	3.2×2.5
4532 [1812]	4.5×3.2

③

Code	
F	for CAN-FD

⑤

Inductance(uH)	
Example	Nominal Value
101	100

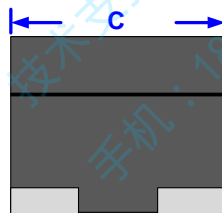
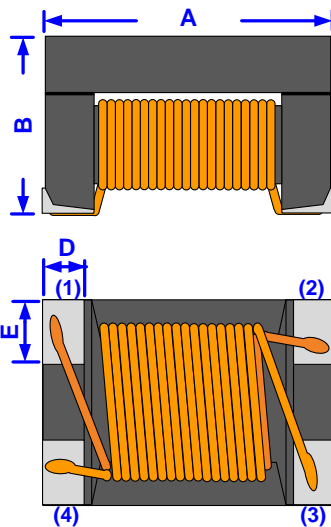
④

Number of Lines	
	2

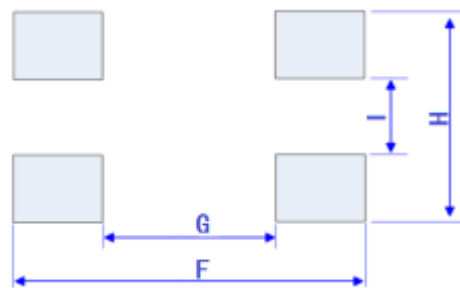
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Packing	
T	Tape & Reel

SHAPE AND DIMENSIONS



Recommended Land Pattern



Unit :mm

Series	A	B	C	D	E	F	G	H	I
AMCW3225F	3.20±0.20	2.20±0.20	2.50±0.20	0.70	1.05	4.10	2.00	2.50	0.40
AMCW4532F	4.50±0.20	2.30±0.20	3.20±0.20	1.00	1.25	5.50	2.90	3.20	0.70

SPECIFICATIONS

AMCW3225F TYPE

Part Number	Inductance @100KHz/0.1V	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance
	+50%/-30%	Max.	Max.	Max.	Min.
Units	uH	Ω	mA	Volts	M Ω
Symbol	L	DCR	I _r	V _{DC}	IR
AMCW3225F-2-101T	100	2.5	150	50	10

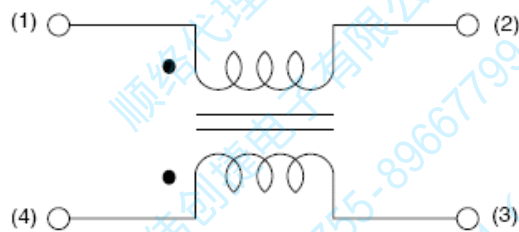
AMCW4532F TYPE

Part Number	Inductance @100KHz/0.1V	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance
	+50%/-30%	Max.	Max.	Max.	Min.
Units	uH	Ω	mA	Volts	M Ω
Symbol	L	DCR	I _r	V _{DC}	IR
AMCW4532F-2-101T	100	2.0	200	50	10

1 .Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

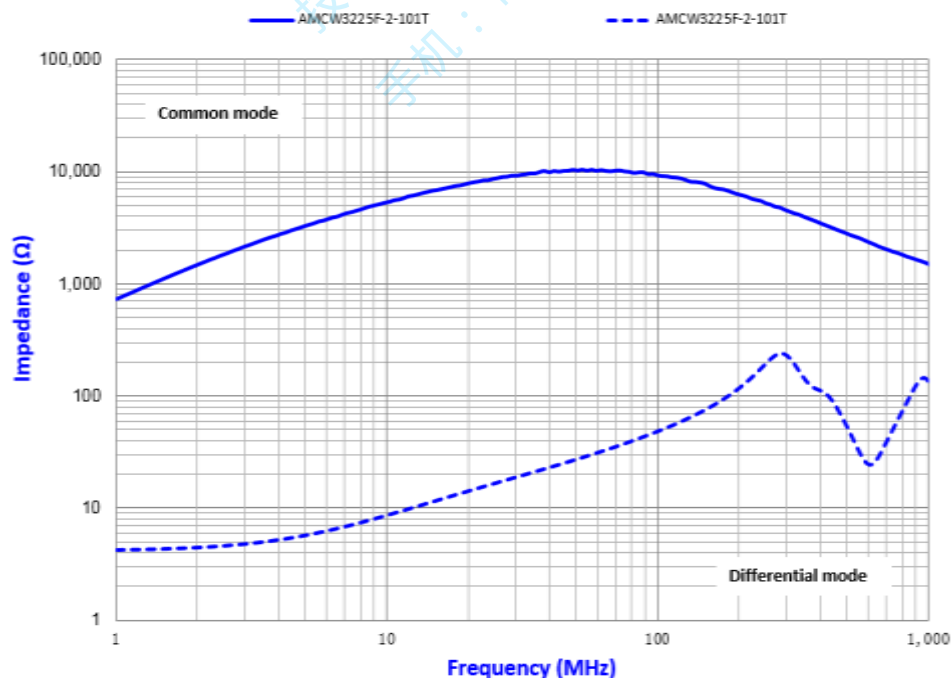
EQUIVALENT CIRCUIT



TYPICAL ELECTRICAL CHARACTERISTICS

AMCW3225F TYPE

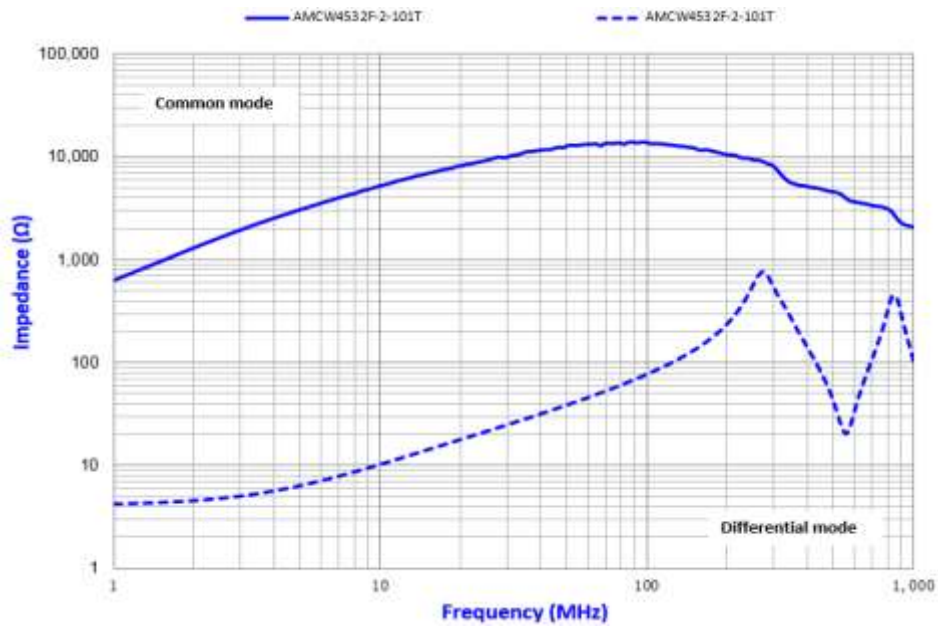
Impedance vs. Frequency



TYPICAL ELECTRICAL CHARACTERISTICS

AMCW4532F TYPE

Impedance vs. Frequency



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