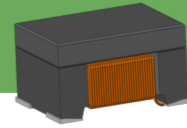


# Wire Wound Chip Common Mode Choke –AMCW - F Series



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

1	2	3	4	5	6
<b>AMCW</b>	<b>4532</b>	<b>F</b>	<b>-2</b>	<b>-101</b>	<b>T</b>

1 Type	
AMCW	Wire Wound Chip Common Mode Choke for Automotive

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

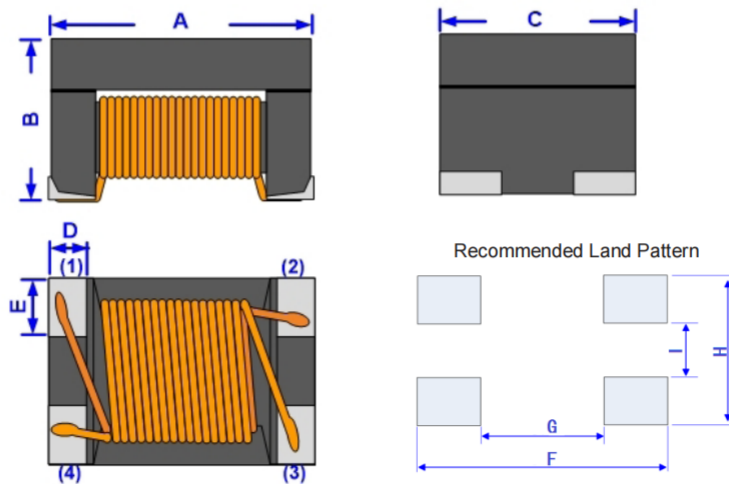
3 Code	
F	for CAN-FD

4 Inductance(μH)	
Example	Nominal Value
101	100

5 Number of Lines
2

6 Packing	
T	Tape & Reel

## SHAPE AND DIMENSIONS



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

Unit: mm

**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	$\Omega$	mA	Volts	M $\Omega$
Symbol	L	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
AMCW3225F-2-101T	100	2.5	150	50	10

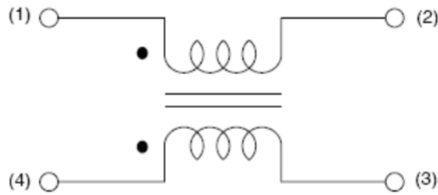
AMCW4532F TYPE

Part Number	Inductance @100KHz/0.1V	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance
	+50%/-30%	Max.	Max.	Max.	Min.
Units <sup>17</sup>	uH	$\Omega$	mA	Volts	M $\Omega$
Symbol	L	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
AMCW4532F-2-101T	100	2.0	200	50	10

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

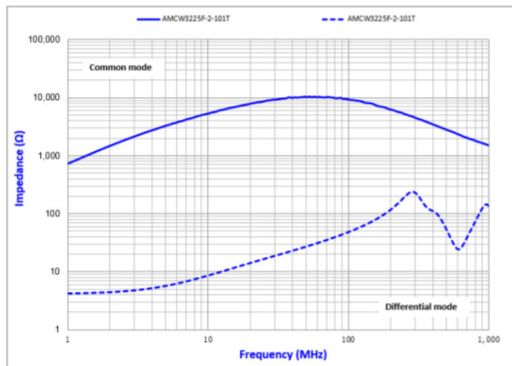
※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

**EQUIVALENT CIRCUIT**



**TYPICAL ELECTRICAL CHARACTERISTICS**

AMCW3225F TYPE  
Impedance vs. Frequency



AMCW4532F TYPE  
Impedance vs. Frequency

