

# Wire Wound Chip Common Mode Choke Coil –AMCW-B Series

Operating Temp. : -40°C~+150°C



## FEATURES

- Winding type realizes small size and low profile
- Prevention of common mode noise at high frequency
- Excellent solderability
- AEC-Q200 verified

## APPLICATIONS

- Common mode noise filtering for automotive CAN-BUS and signal line.

## PRODUCT IDENTIFICATION

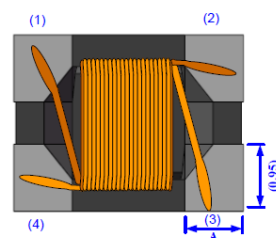
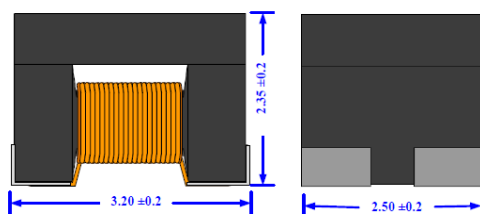
<u>AMCW</u> ①	<u>3225</u> ②	<u>B</u> ③	<u>-2</u> ④	<u>-110</u> ⑤	<u>T</u> ⑥																				
<table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>AMCW</td><td>Winding Type Common Mode Choke Coil</td></tr> </table>		Type		AMCW	Winding Type Common Mode Choke Coil	<table border="1"> <tr><th colspan="2">External Dimensions (LxW) (mm)</th></tr> <tr><td>3225 [1210]</td><td>3.2x2.5</td></tr> <tr><td>4532 [1812]</td><td>4.5x3.2</td></tr> </table>		External Dimensions (LxW) (mm)		3225 [1210]	3.2x2.5	4532 [1812]	4.5x3.2	<table border="1"> <tr><th colspan="2">Code</th></tr> <tr><td>B</td><td>for CAN-BUS</td></tr> </table>		Code		B	for CAN-BUS						
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## SHAPE AND DIMENSIONS

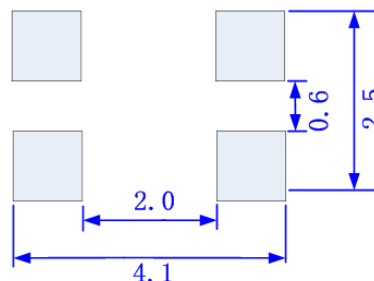
AMCW3225B TYPE

Recommended Land Pattern

Unit: mm

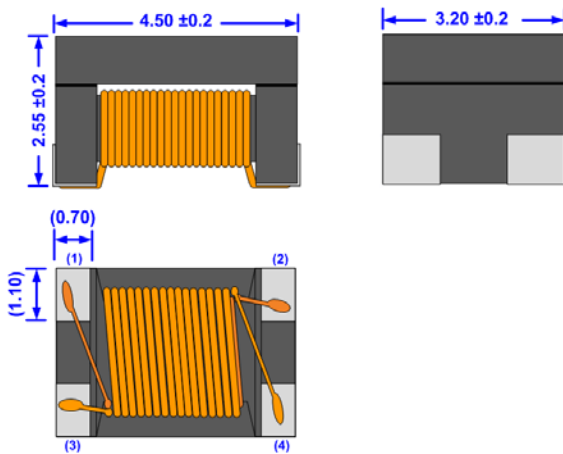


Part Number	A
AMCW3225B-2-110T/220T	0.80mm
AMCW3225B-2-510T/101T	0.70mm



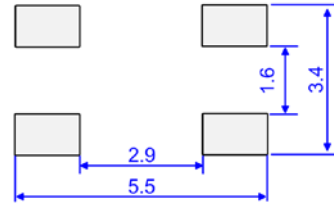
## SHAPE AND DIMENSIONS

### AMCW4532B TYPE



### Recommended Land Pattern

Unit:mm



## SPECIFICATIONS

### AMCW3225B TYPE

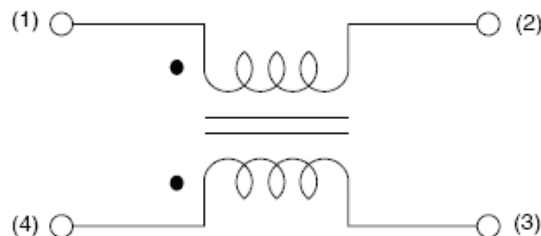
Part Number	Inductance	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance
	+50%/-30%	Max.	Max.	Max.	Min.
Units	μH	Ω	mA	Volts	MΩ
Symbol	L	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
AMCW3225B-2-110T	11(@100KHz/0.1V)	0.3	400	80	10
AMCW3225B-2-220T	22(@100KHz/0.1V)	0.5	300	80	10
AMCW3225B-2-510T	51(@100KHz/0.1V)	1.5	200	80	10
AMCW3225B-2-101T	100(@100KHz/0.1V)	2.2	150	80	10

### AMCW4532B TYPE

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	+50%/-30%	Max.	Max.	Max.	Min.
Units	μH	Ω	mA	Volts	MΩ
Symbol	L	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
AMCW4532B-2-110T	11(@100KHz/0.1V)	0.5	360	50	10
AMCW4532B-2-220T	22(@100KHz/0.1V)	0.8	310	50	10
AMCW4532B-2-510T	51(@1.0MHz/0.1V)	1.0	230	50	10
AMCW4532B-2-101T	100(@1.0MHz/0.1V)	2.0	200	50	10

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

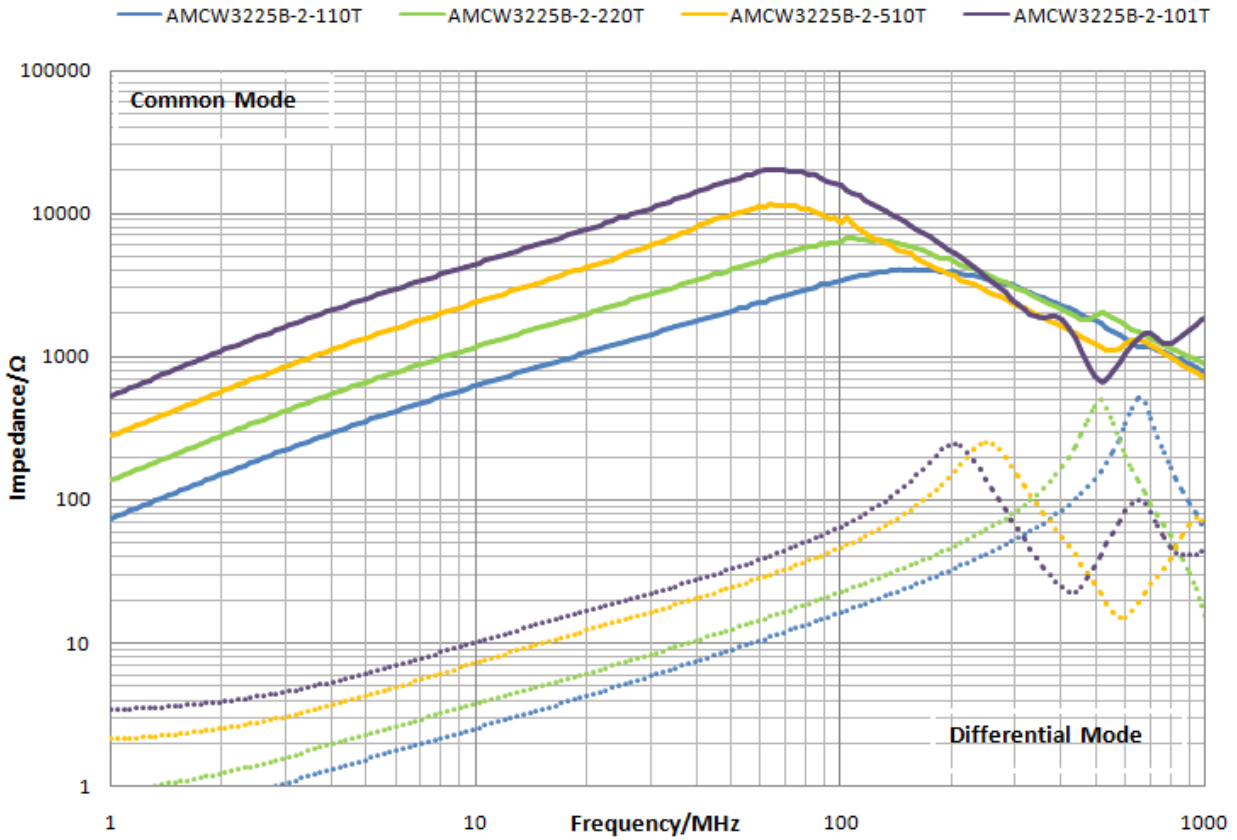
## EQUIVALENT CIRCUIT



# TYPICAL ELECTRICAL CHARACTERISTICS

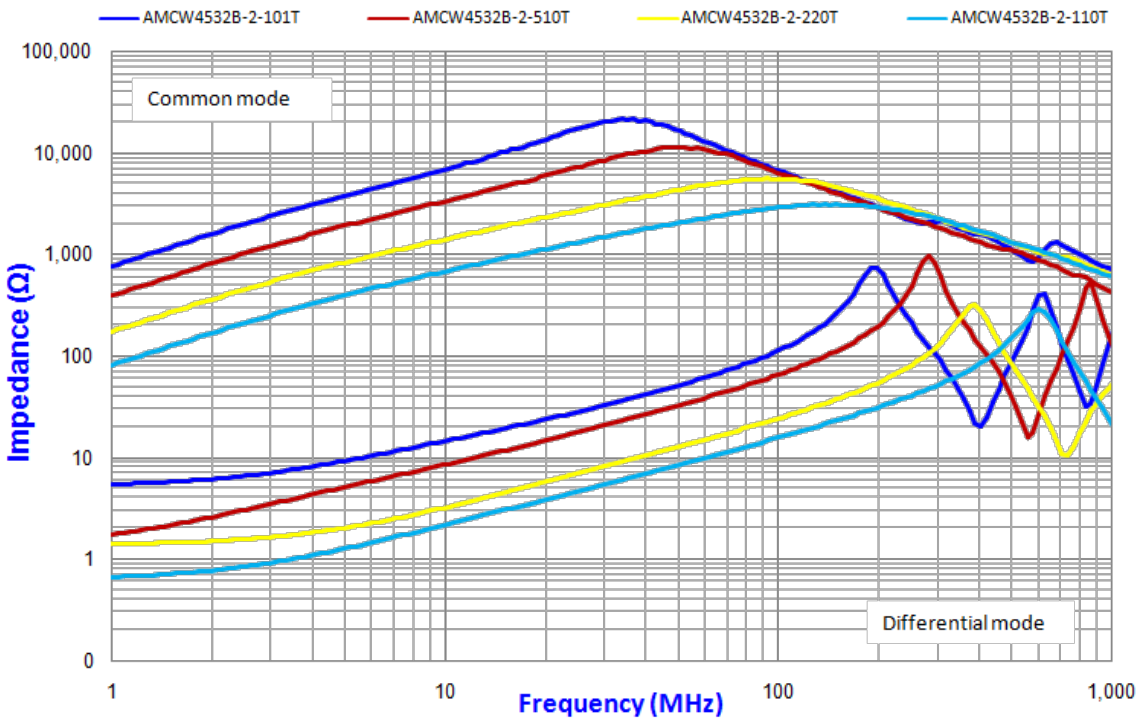
## Impedance vs. Frequency

AMCW3225B TYPE



## Impedance vs. Frequency

AMCW4532B TYPE



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