

DLW43SH101XK2L

● In Production

DLW43SH101XK2L

“#” at the end indicates the package specification code.



For CAN

DLW43SH101XK2L,DLW43SH101XK2B,DLW43SH101XK2K

Applications

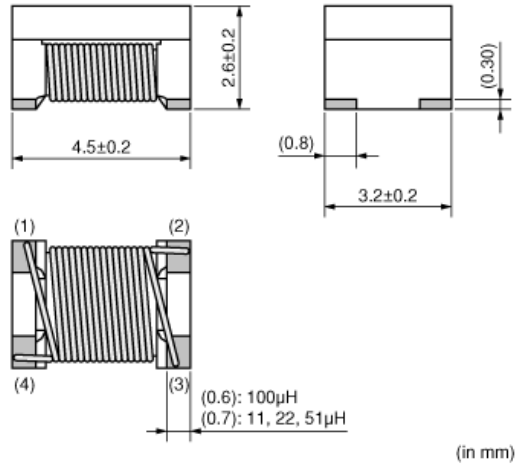
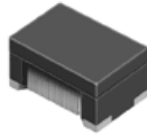
Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<u>Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHF A/B/C] except for implant & surgery & auto injector</u> Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive powertrain/safety equipment,CAN [Controller Area Network],FlexRay

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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Appearance & Shape



Length	4.5mm ±0.2mm
Width	3.2mm ±0.2mm
Thickness	2.6mm ±0.2mm
Size code in mm(inch)	4532/1812
Shape	SMD

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Specifications

Common Mode Inductance	100μH +50%/-30% (at 1MHz)
Rated Current	200mA
Derating of Rated Current	No
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	2Ω
DC Resistance	2Ω Max.
Insulation Resistance(min.)	10MΩ
Operating Temperature	-40 ~ 125°C
Operating Temperature Range(Self-temperature rise)	NO
Number of Circuit	1
Brand	Murata

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Features


1. Small size: L4.5xW3.2xT2.6mm (EIA code: 1812)
Tolerance: 0.2mm
2. Common mode inductance items of 11,22,51,100microH,
and they can be used for each applications.

Applications

For Automotive.

Common mode noise suppression of automotive LAN for Flex Ray, CAN.

References

Packaging	Specifications 	Standard Packing Quantity
L	180mm Embossed Tape	500
B	Bulk(Bag)	100
K	330mm Embossed Tape	2500

Mass(Typ.)	
1 piece	0.17g

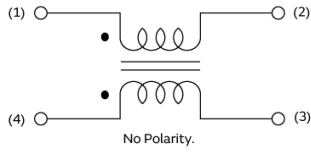
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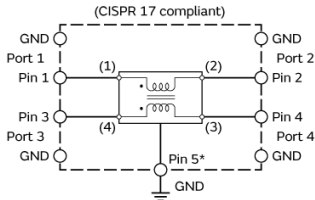
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Product Data

Equivalent Circuit (Note 1)

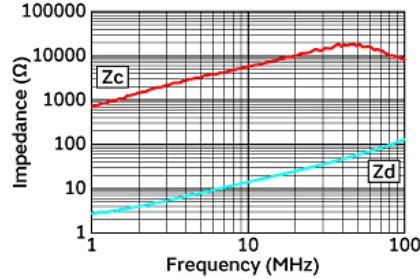


Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.

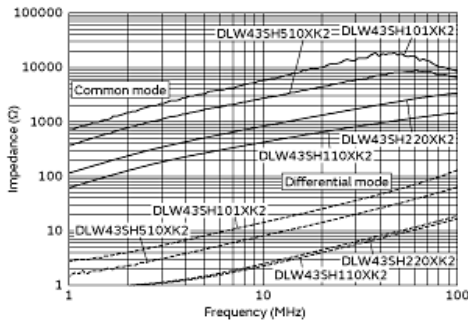


S-parameter: Port □
 SPICE model: Pin □ (Pin5* connect to GND)

Equivalent Circuit



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics(Main Items)

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