

# DLW31SH222SQ2#

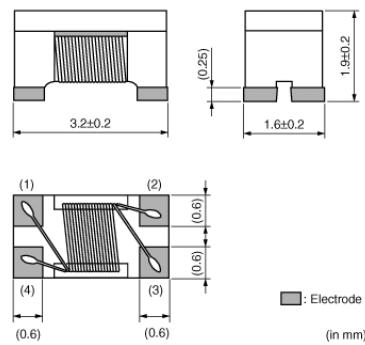
"#" indicates a package specification code.

In Production AEC Q200 RoHS REACH

< List of part numbers with package codes >

DLW31SH222SQ2L DLW31SH222SQ2B

## Appearance & Shape



## Packaging Information

Packaging	Specifications	Minimum Order Quantity
L	180mm Embossed Tape	2000
B	Bulk(Bag)	500

## Applications

Automotive Usage

Powertrain/Safety

### Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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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## Features

DLW31S series is a high performance wound type chip common mode choke coil.

### Features

1. DLW31S is the small size (3.2x1.6x1.9mm).
2. Suitable for noise suppression at car area networks like CAN (Controller Area Network) bus.
3. DLW31S has high common mode impedance so it is suitable for noise suppression through wide frequency range.
4. Wide operating temperature range (-40 to +125 degrees C)

### Applications

Noise suppression at car area networks like CAN bus or car navigation system.

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## Specifications

Shape	SMD	Operating Temperature Range(Self-temperature rise is included)	No
Size Code (in mm)	3216		
Size Code (in inch)	1206		
Length	3.2mm		
Length Tolerance	±0.2mm		
Width	1.6mm		
Width Tolerance	±0.2mm		
Thickness	1.9mm		
Thickness Tolerance	±0.2mm		
Common Mode Impedance (at 100MHz)	2200Ω		
Common Mode Impedance (at 100MHz) Tolerance	±25%		
Rated Current	80mA		
Derating of Rated Current	No		
Rated Voltage	32Vdc		
Withstanding Voltage	80Vdc		
DC Resistance(max.)	1.92Ω		
DC Resistance	1.6Ω±20%		
Insulation Resistance(min.)	10MΩ		
Operating Temperature Range	-40°C to 125°C		
Mass(typ.)	0.039g		
Number of Circuit	1		

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### Attention

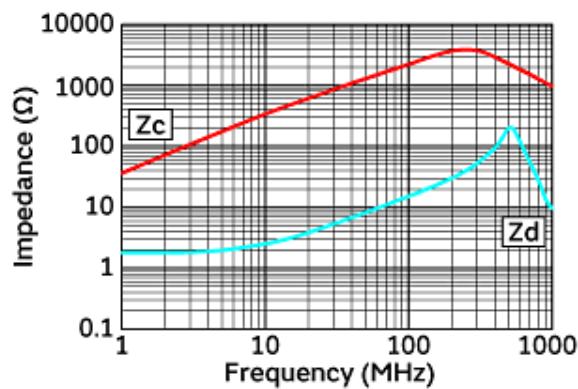
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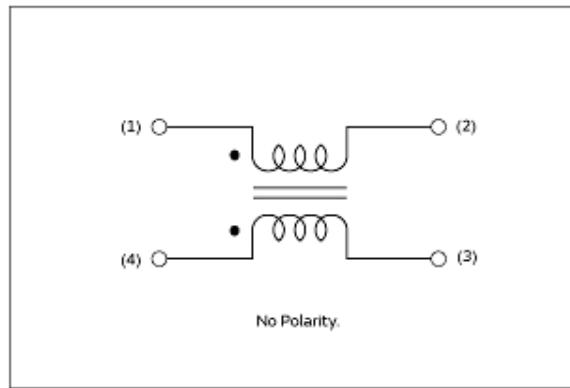
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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