Note: This datasheet may be out of date.
Please download the latest datasheet of DLW5BSM191SQ2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=DLW5BSM191SQ2%23

# DLW5BSM191SQ2#

"#" indicates a package specification code.

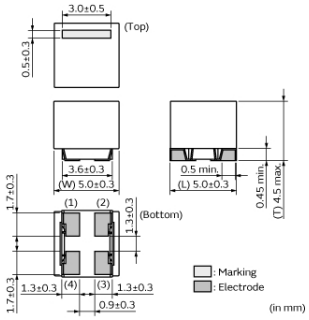
In Production RoHS REACH

< List of part numbers with package codes >

DLW5BSM191SQ2B DLW5BSM191SQ2K DLW5BSM191SQ2L

## Appearance & Shape






## Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|---|---|---|
| B | Bulk(Bag) | 100 |
| K | 330mm Embossed Tape | 1500 |
| L | 180mm Embossed Tape | 400 |

## Applications

| | |
|---|---|
| Other Usage | For general |



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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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# DLW5BSM191SQ2#

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## Features

DLW5AH/5BS series is a high performance wound type chip common mode choke coil.

Features
1. High impedance (max. of 4000ohm at 100MHz: DLW5AH) enables great noise suppression.
2. Large rated current (max. of 5A) is suitable for power line use.
3. DLW5AH/BS series does not damage high speed signal due to high coupling common mode choke coil structure.
4. Automatic mounting can be applied.

Applications
1. DC power lines in AC adapters of Portable equipment
2. DC power lines of DC-DC converters, battery chargers



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# DLW5BSM191SQ2#

"#" indicates a package specification code.

## Specifications

| | |
|---|---|
| Shape | SMD |
| Size Code (in mm) | 5050 |
| Size Code (in inch) | 2020 |
| Length | 5.0mm |
| Length Tolerance | ±0.3mm |
| Width | 5.0mm |
| Width Tolerance | ±0.3mm |
| Thickness | 4.5mm |
| Thickness Tolerance | max. |
| Common Mode Impedance (at 100MHz) | 190Ω |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.) |
| Common Mode Impedance (at 10MHz) | 19Ω |
| Common Mode Impedance (at 10MHz) Tolerance | min. |
| Rated Current | 5A |
| Derating of Rated Current | Yes (Over 75℃)<br>*For details, please check the derating diagram. |
| Rated Voltage | 50Vdc |
| Withstanding Voltage | 125Vdc |
| DC Resistance(max.) | 0.02Ω |
| DC Resistance | 0.02Ω max. |
| Insulation Resistance(min.) | 10MΩ |
| Operating Temperature Range | -40℃ to 85℃ |
| Mass(typ.) | 0.3g |

| | |
|---|---|
| Number of Circuit | 1 |
| Operating Temperature Range(Self-temperature rise is included) | No |



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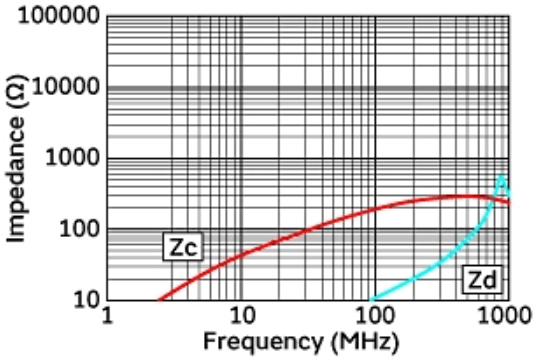
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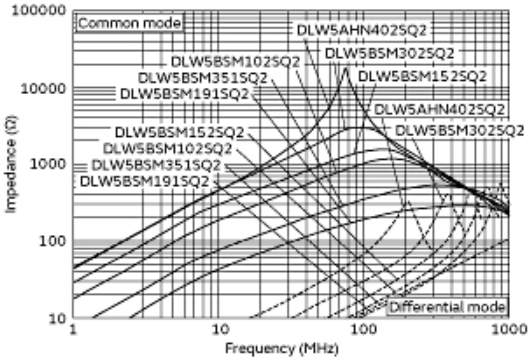
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"#" indicates a package specification code.

## Product Data

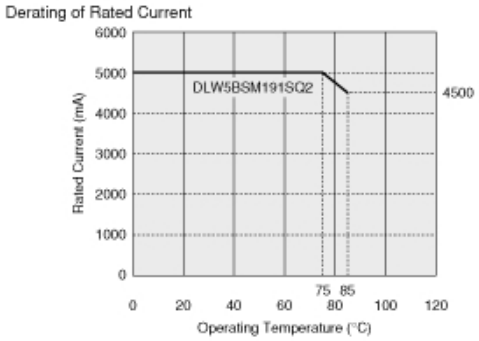



Impedance-Frequency Characteristics

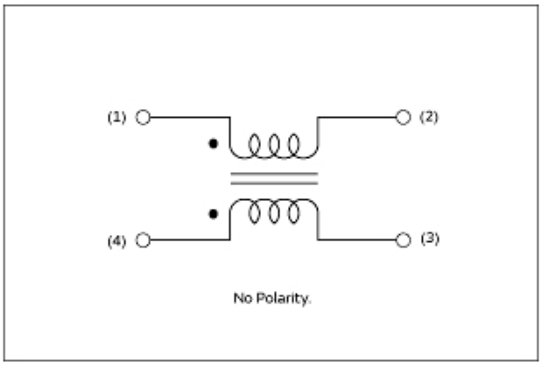



Impedance-Frequency Characteristics (Main Items)

In operating temperature exceeding +75°C, derating of current is necessary for DLW5BSM191SQ2.
Please apply the derating curve shown in chart according to the operating temperature.




Derating of Rated Current




Equivalent Circuit



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