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Please download the latest datasheet of DLW5BSM302SQ2# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=DLW5BSM302SQ2%23

DLW5BSM302SQ2#

"#"at the end indicates the package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

DLW5BSM302SQ2B DLW5BSM302SQ2K DLW5BSM302SQ2L

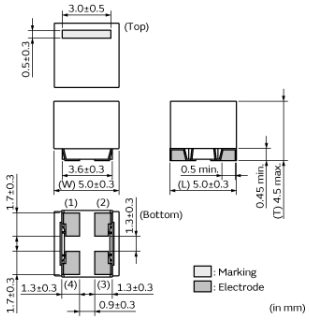
Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment 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	Consumer equipment

Packaging Information

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

Appearance & Shape



Attention
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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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DLW5BSM302SQ2#

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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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DLW5BSM302SQ2#

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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)	3000Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	300Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	500mA
Derating of Rated Current	No
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.3Ω
DC Resistance	0.3Ω 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
Brand	Murata

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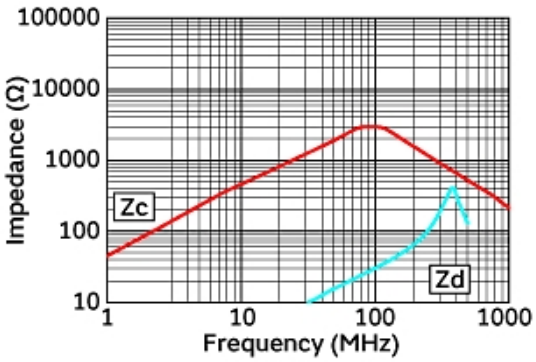
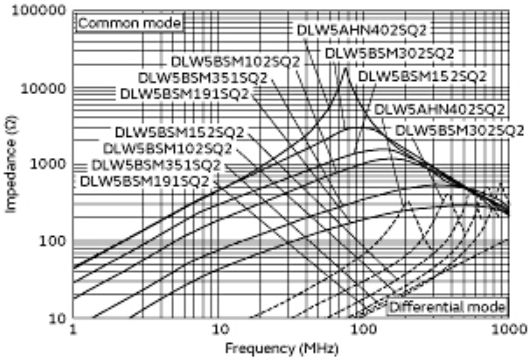
Product Data

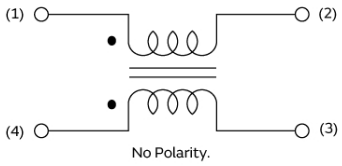


Impedance-Frequency Characteristics

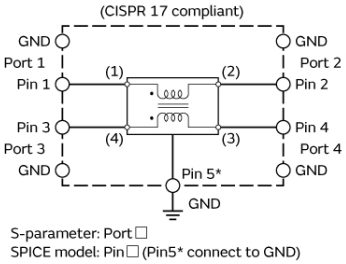


Impedance-Frequency Characteristics (Main Items)

■ 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

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