

Please be sure to read these general terms of use, before using this product.

# DLW5BSM102SQ2#

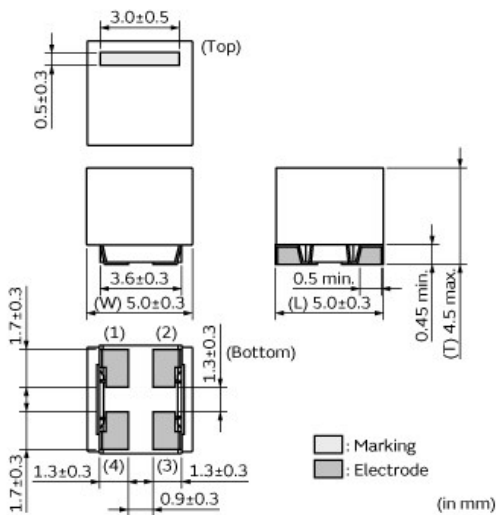
Noise Suppression Products/EMI Suppression Filters > EMI Suppression Filters > Common Mode Choke Coils/Common Mode Noise Filters

In Production ?

RoHS REACH ?

< List of part numbers with package codes >  
DLW5BSM102SQ2B DLW5BSM102SQ2K DLW5BSM102SQ2L

## Appearance & Shape



## Specifications

Shape	SMD
Size Code (in mm)	5050

Send your inquiry ?

Stock Check (Where to buy) ?

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How to read part numbers >

Details

Specifications Sheet(with cautions/mounting/packaging) >

Library

PDF Catalog Library >

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Related FAQs

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Noise Suppression Products / EMI Suppression Filters / ESD Protection Devices FAQ >

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)	1000Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	100Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	1.5A
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.06Ω
DC Resistance	0.06Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.3g
Number of Circuit	1
Operating Temperature Range(Self- temperature rise is included)	No



## 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

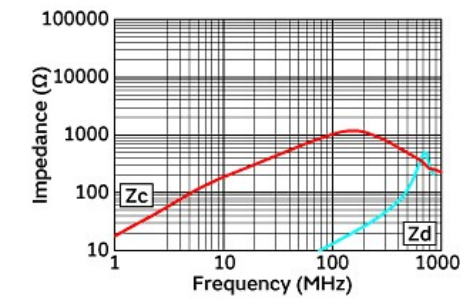
Applications

Other Usage	For general
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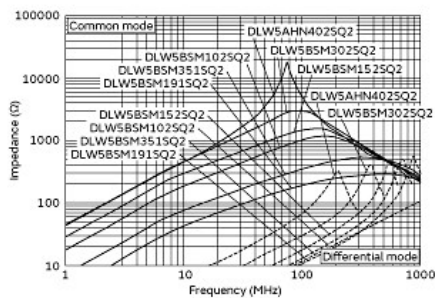
Packaging Information

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

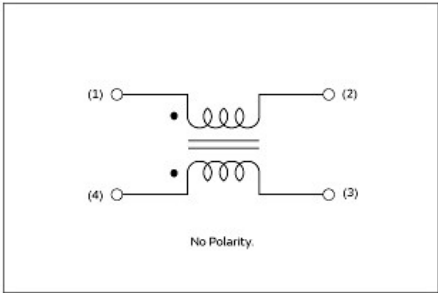
Product Data



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics  
(Main Items)



## Products

Latest Product Information   Capacitor   Inductors   Noise Suppression Products / EMI Suppression Filters / ESD Protection Devices   Resistors   Thermistors  
Sensors   Timing Devices (MEMS Resonator / Crystal Unit / Ceramic Resonator / Oscillator)   Quartz Devices   Sound Components (Buzzer)   Power Devices  
Small Energy Devices   Batteries   Micro Mechatronics   RFID Products   Matching Devices   Balun   Coupler   Filters   SAW Components   Phase Shifter  
RF Switch   Front End Module   Connectors   Antennas   RF Modules   LPWA Products   Wireless Connectivity Platforms  
Ultra Low power Short Range RF-IC   LTCC Multilayer Substrates   Ionizers / Active Oxygen Module (Ozonizers)   Solution

## Applications

Smarthome   Medical and Healthcare   Automotive   Mobile Communication   Network   Data Center   Lighting   Industrial Equipment   White Goods  
Personal Computers   Business Machine   AV   Security & Safety

## Design Tools

Video Presentation of Design Tools   Design Support Software "SimSurfing"

## Support

Contact Information   FAQs   Library   Reference Design   Health and Safety Compliance   Stock Check

## About Murata

Company   Murata Robots   Newsroom   Technology   Procurement Guidelines   Corporate Social Responsibility

## Investor Relations

IR Calendar   IR Library   Financial Information (For the Last 5 Years)   Shareholders' Meetings   Share Information   Disclosure Policy

### EU RoHS / REACH

Approach for chemical regulation for Murata Products.

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