

DLW5BTM142SQ2#

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

In Production

RoHS

REACH

| | | |
|---|----------------|----------------|
| < List of part numbers with package codes > | | |
| DLW5BTM142SQ2B | DLW5BTM142SQ2K | DLW5BTM142SQ2L |

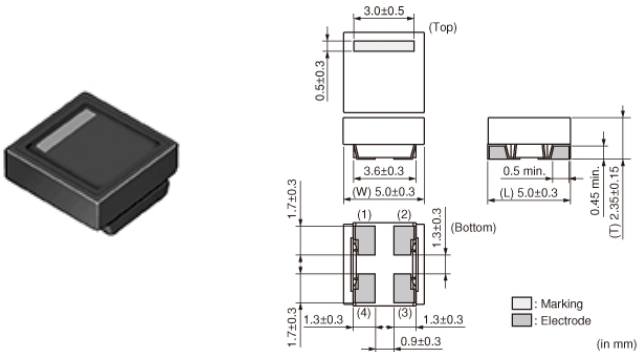
Applications

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

Packaging Information

| Packaging | Specifications | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B | Bulk(Bag) | 100 |
| K | 330mm Embossed Tape | 2500 |
| L | 180mm Embossed Tape | 700 |

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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Features

Low profile (h=2.5mm) chip common mode choke coil.
Suitable for noise suppression at DC power lines.

Features

1. Low profile (h=2.5mm)
2. Small size (5.0x5.0mm) and high rated current (1.5 to 6A)
3. High common mode Impedance (max. 1400 ohm, at 100MHz)

Applications

Noise suppression for power line

1. Power line equipment
 - DC-DC converters
 - Battery chargers
2. Portable equipment
 - PDAs (Personal Digital Assistants)
 - Note PCs
 - Printers

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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 | 2.35mm |
| Thickness Tolerance | ±0.15mm |
| Common Mode Impedance (at 100MHz) | 1400Ω |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.) |
| Common Mode Impedance (at 10MHz) | 100Ω |
| Common Mode Impedance (at 10MHz) Tolerance | min. |
| Rated Current | 1.5A |
| Derating of Rated Current | No |
| Rated Voltage | 50Vdc |
| Withstanding Voltage | 125Vdc |
| DC Resistance(max.) | 0.056Ω |
| DC Resistance | 0.056Ω max. |
| Insulation Resistance(min.) | 10MΩ |
| Operating Temperature Range | -40°C to 85°C |
| Mass(typ.) | 0.21g |
| Number of Circuit | 1 |

| | |
|--|--------|
| Operating Temperature Range(Self-temperature rise is included) | No |
| Brand | Murata |

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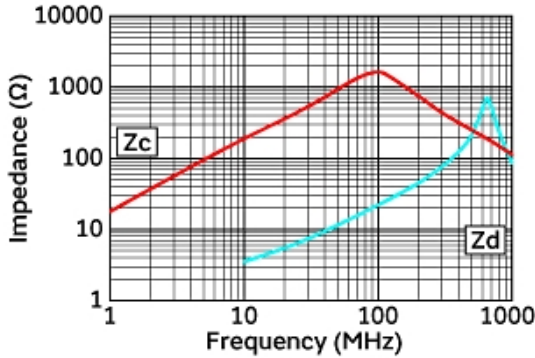
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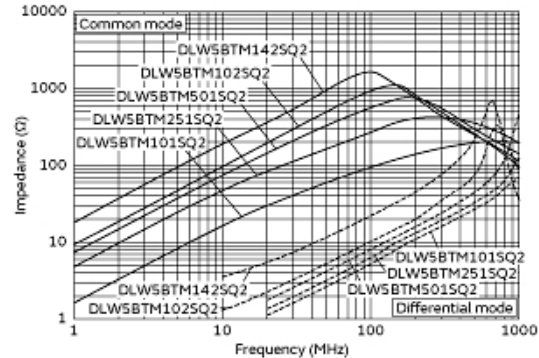
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Product Data

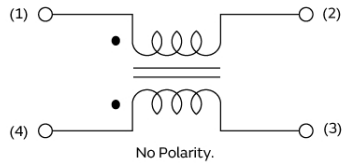


Impedance-Frequency Characteristics

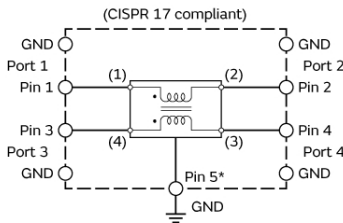


Impedance-Frequency Characteristics
(Main Items)

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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