DLW5BTM501TQ2#

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

In Production   RoHS   REACH

< List of part numbers with package codes >

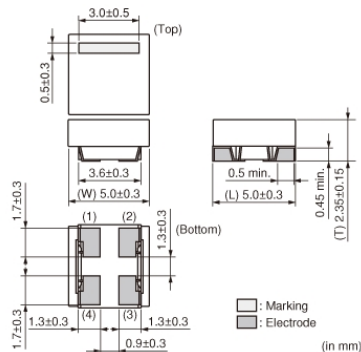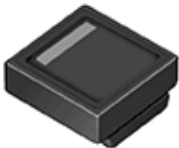|		
DLW5BTM501TQ2B	DLW5BTM501TQ2K	DLW5BTM501TQ2L

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	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.

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of DLW5BTM501TQ2# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=DLW5BTM501TQ2%23

DLW5BTM501TQ2#

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Features

Features
1. Low profile (h=2.5mm)
2. Small size (5.0x5.0mm) and high rated current
   (2 to 6A)
3. High common mode Impedance
   (max. 1400 ohm, at 100MHz)
4．Operating Temperature Range：-40℃ to +105℃

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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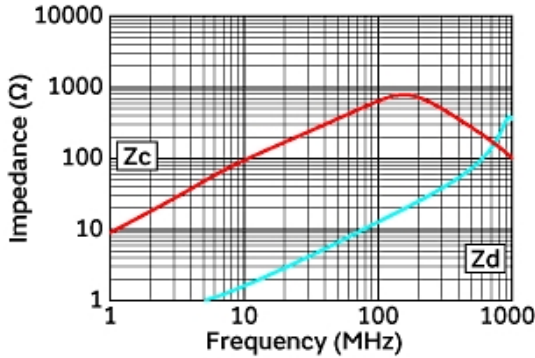
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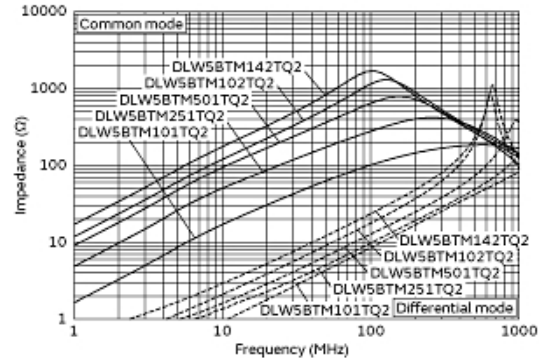URL : https://www.murata.com/

Last updated05/24/2024

DLW5BTM501TQ2#

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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)	500Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	30Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	4A
Derating of Rated Current	Yes (Over 85℃) *For details, please check the derating diagram.
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
DC Resistance(max.)	0.027Ω
DC Resistance	0.027Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 105℃
Mass(typ.)	0.21g

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

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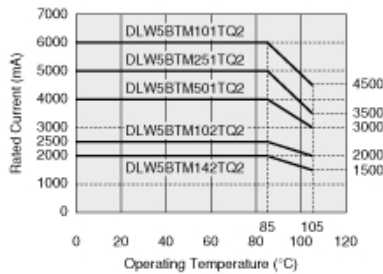
■ Product Data

Impedance-Frequency Characteristics

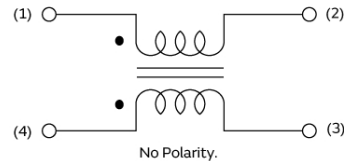Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +85°C, derating of current is necessary for DLW5BT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.

■ Equivalent Circuit (Note 1)

Derating of Rated Current

Equivalent Circuit

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