

DLW5BSM501TQ2#

“#” indicates a package specification code.

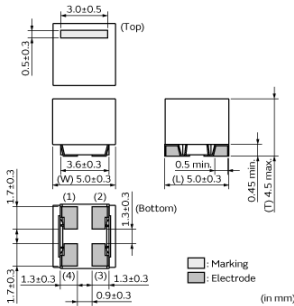
In Production

RoHS

REACH

< List of part numbers with package codes >
DLW5BSM501TQ2K DLW5BSM501TQ2L DLW5BSM501TQ2B

Appearance & Shape



Features

- Features
1. Small size (5.0x5.0mm) and high rated current (1 to 2A)
 2. High common mode Impedance (max 2800ohm, at 10MHz.)
 3. Operating Temperature Range -40°C to +105°C
- 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
-------------	-------------

Packaging Information

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

Attention
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
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.

DLW5BSM501TQ2#

“#” indicates a package specification code.

Specifications

Shape	SMD	DC Resistance	0.23Ω max.
Size Code (in mm)	5050	Insulation Resistance(min.)	10MΩ
Size Code (in inch)	2020	Operating Temperature Range	-40°C to 105°C
Length	5.0mm	Mass(typ.)	0.3g
Length Tolerance	±0.3mm	Number of Circuit	1
Width	5.0mm	Operating Temperature Range(Self-temperature rise is included)	No
Width Tolerance	±0.3mm		
Thickness	4.5mm		
Thickness Tolerance	max.		
Common Mode Impedance (at 100MHz)	500Ω		
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)		
Common Mode Impedance (at 10MHz)	2800Ω		
Common Mode Impedance (at 10MHz) Tolerance	±40%		
Rated Current	1A		
Rated Voltage	50Vdc		
Withstanding Voltage	125Vdc		
DC Resistance(max.)	0.23Ω		

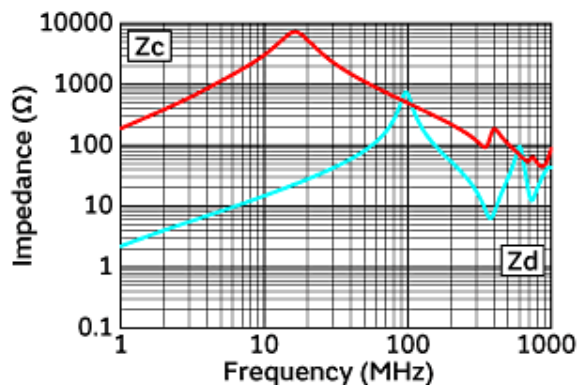
Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.

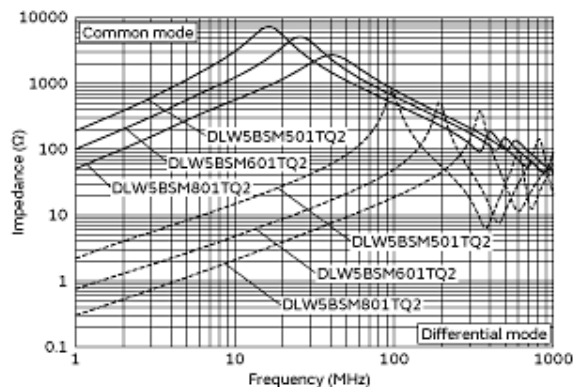
DLW5BSM501TQ2#

"#" indicates a package specification code.

Product Data



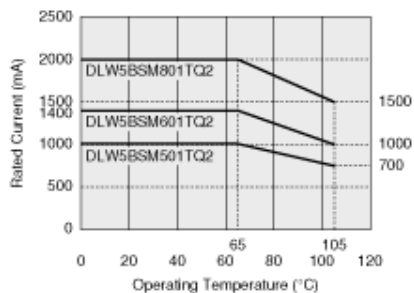
Impedance-Frequency Characteristics



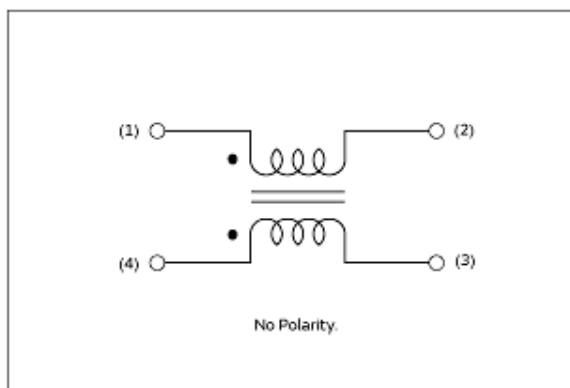
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +65°C, derating of current is necessary for DLW5BS_TQ2 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.