

DLW5ATZ501TQ2#

Note: This datasheet may be out of date.

Please download the latest datasheet of DLW5ATZ501TQ2# from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-us/products/productdetail?partno=DLW5ATZ501TQ2%23>

#" indicates a package specification code.

In Production

AEC-Q200

RoHS

REACH

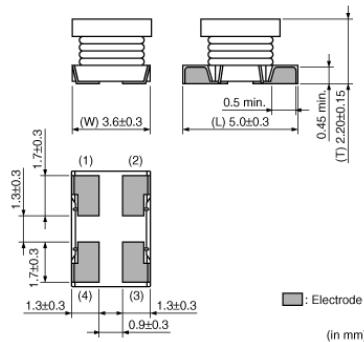
< List of part numbers with package codes >

DLW5ATZ501TQ2B

DLW5ATZ501TQ2K

DLW5ATZ501TQ2L

Appearance & Shape



Packaging Information

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

Features

Low profile (h=2.35mm) chip common mode choke coil.
Suitable for noise suppression at DC power lines.

Features

1. Low profile (h=2.35mm)
2. Small size (5.0x3.6mm)
3. Large Current Available (1.5A to 4A)
4. Operating Temperature Range -40°C to +105°C

Applications

Automotive Usage	Infotainment
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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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Specifications

Shape	SMD
Size Code (in mm)	5036
Size Code (in inch)	2014
Length	5.0mm
Length Tolerance	±0.3mm
Width	3.6mm
Width Tolerance	±0.3mm
Thickness	2.2mm
Thickness Tolerance	±0.15mm
Common Mode Impedance (at 100MHz)	500Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	55Ω
Common Mode Impedance (at 10MHz) Tolerance	±25%
Rated Current	1.5A
Derating of Rated Current	No
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
DC Resistance(max.)	0.056Ω
DC Resistance	0.056Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 105°C
Mass(typ.)	0.14g
Number of Circuit	1

Operating Temperature Range(Self-temperature rise is included)	No
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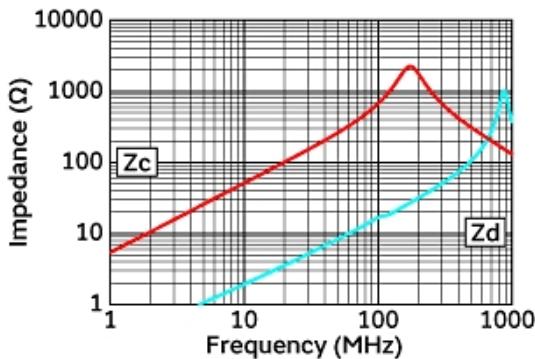
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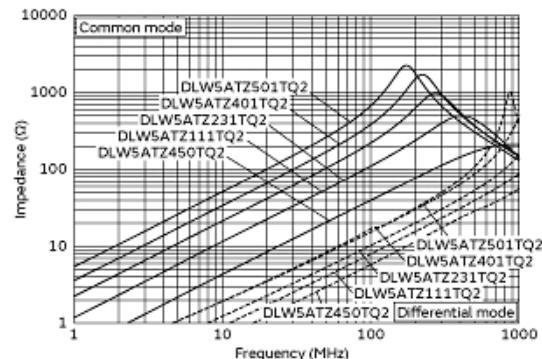
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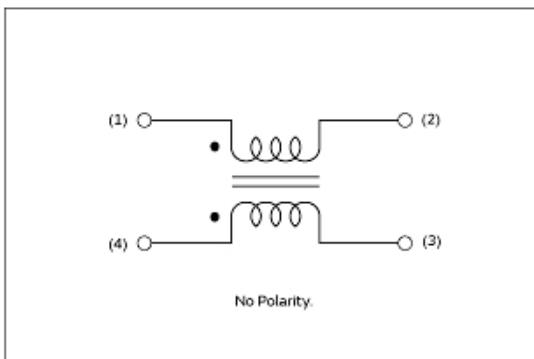
Product Data



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics (Main Items)



Equivalent Circuit

3 of 3

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