

DLW5ATH112MQ2#

“#” indicates a package specification code.



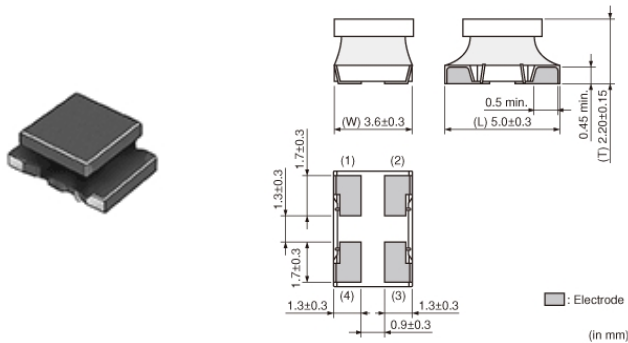
< List of part numbers with package codes >

DLW5ATH112MQ2B

DLW5ATH112MQ2K

DLW5ATH112MQ2L

Appearance & Shape



Packaging Information

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

Features

1. Low profile(h=2.35mm max.)
2. Small size(5.0x3.6mm)
- 3 .Large Current Available (1.5A to 4A)
- 4 .Operating Temperature Range -40°C to +125°C
- 5 .Reflow and Flow soldering Available

Applications

| | |
|------------------|-------------------|
| Automotive Usage | Powertrain/Safety |
|------------------|-------------------|

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.

DLW5ATH112MQ2#

“#” indicates a package specification code.



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) | 1100Ω |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.) |
| Common Mode Impedance (at 10MHz) | 50Ω |
| Common Mode Impedance (at 10MHz) Tolerance | min. |
| Rated Current | 1.5A |
| Derating of Rated Current | Yes (Over 105°C) *For details, please check the derating diagram. |
| 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 125°C |
| Mass(typ.) | 0.14g |

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

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.

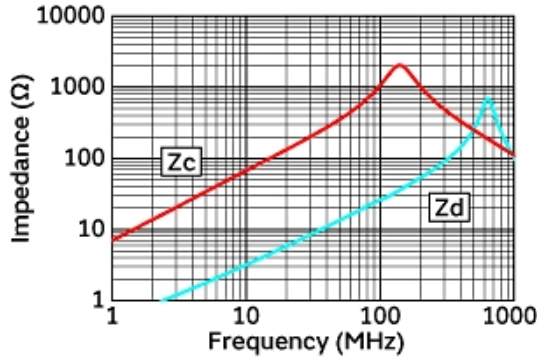
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

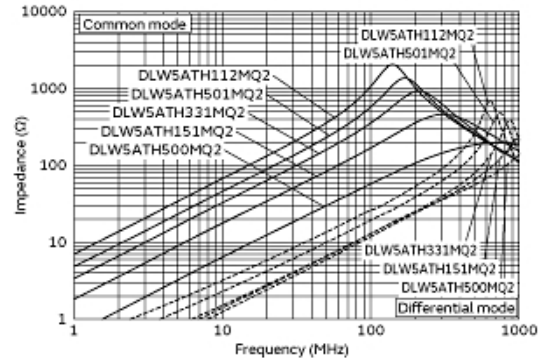
DLW5ATH112MQ2#

“#” indicates a package specification code.

Product Data



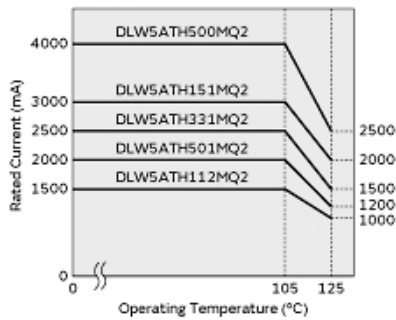
Impedance-Frequency Characteristics



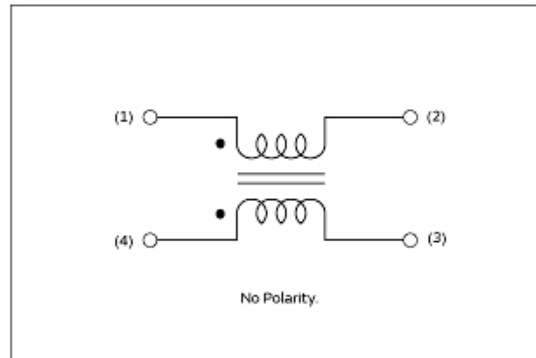
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +105°C, derating of current is necessary for DLW5ATH_MQ2 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Murata:

[DLW5ATH112MQ2L](#)