

# DLW5ATH112MQ2#

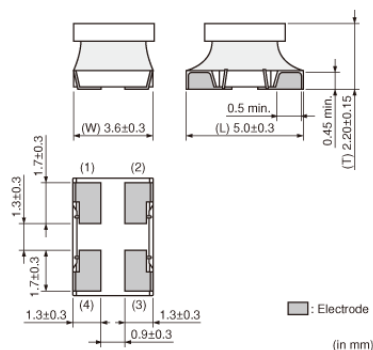
“#” indicates a package specification code.



< List of part numbers with package codes >

DLW5ATH112MQ2B DLW5ATH112MQ2K DLW5ATH112MQ2L

## Appearance & Shape



## 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

Application  
Automotive Usage : Powertrain/Safety

## Applications

Automotive Usage	Powertrain/Safety
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## Packaging Information

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

### 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.

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## Specifications

Shape	SMD	DC Resistance	0.056Ω max.
Size Code (in mm)	5036	Insulation Resistance(min.)	10MΩ
Size Code (in inch)	2014	Operating Temperature Range	-40°C to 125°C
Length	5.0mm	Mass(typ.)	0.14g
Length Tolerance	±0.3mm	Number of Circuit	1
Width	3.6mm	Operating Temperature Range(Self-temperature rise is included)	No
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		
Rated Voltage	50Vdc		
Withstanding Voltage	125Vdc		
DC Resistance(max.)	0.056Ω		

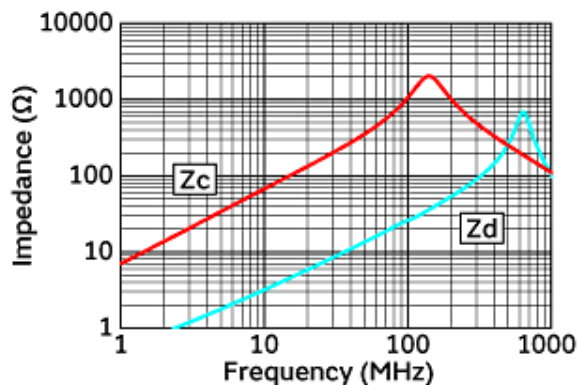
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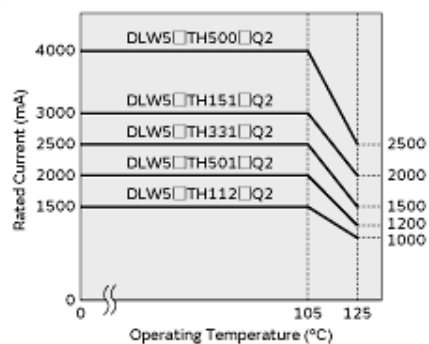
## Product Data



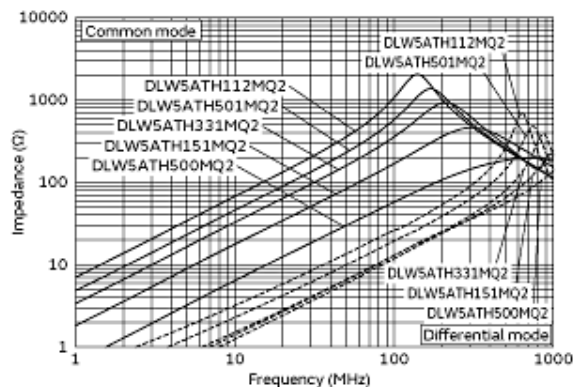
Impedance-Frequency Characteristics

In operating temperature exceeding +105°C, derating of current is necessary for DLW5□TH series.  
Please apply the derating curve shown in chart according to the operating temperature.

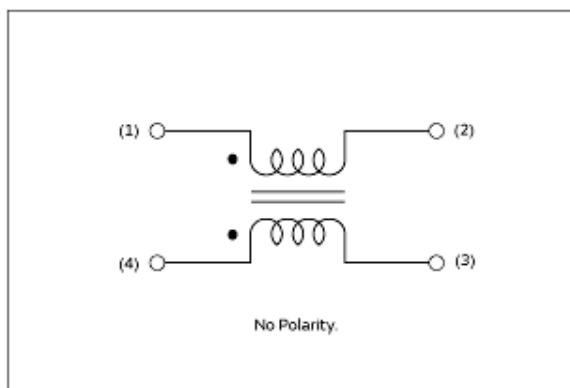
Derating of Rated Current



Derating of Rated Current



Impedance-Frequency Characteristics  
(Main Items)



Equivalent Circuit

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