

DLW5ATN331MQ2#

“#” indicates a package specification code.

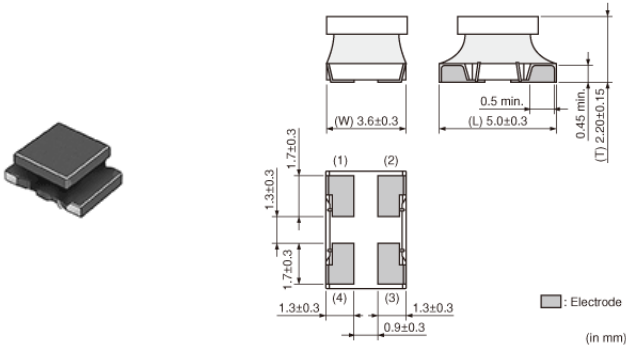
In Production

RoHS

REACH

< List of part numbers with package codes >
DLW5ATN331MQ2K DLW5ATN331MQ2L DLW5ATN331MQ2B

Appearance & Shape



Packaging Information

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

Applications

Other Usage	For general
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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.

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Features

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

Application

Noise suppression for power line

1. Power line equipment
 - DC/DC converter
 - battery charger
2. Portable equipment
 - PDA(Personal Digital Assistance)
 - note PC
 - printer
 - DVC

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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)	330Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	20Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	4A
Derating of Rated Current	Yes (Over 85°C) *For details, please check the derating diagram.
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.027Ω
DC Resistance	0.027Ω 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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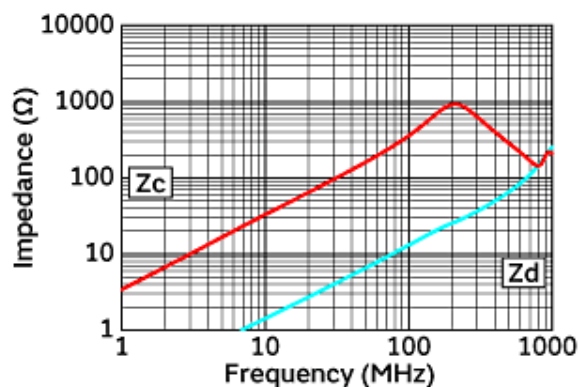
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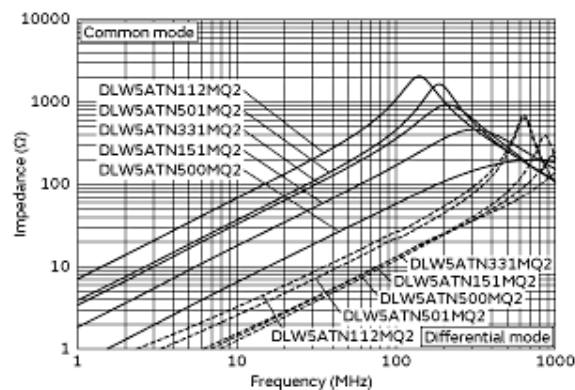
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Product Data



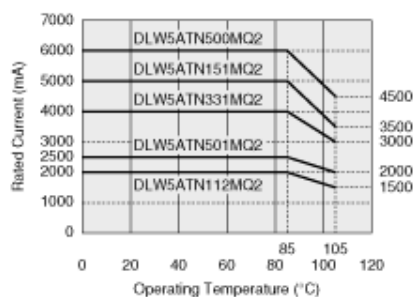
Impedance-Frequency Characteristics



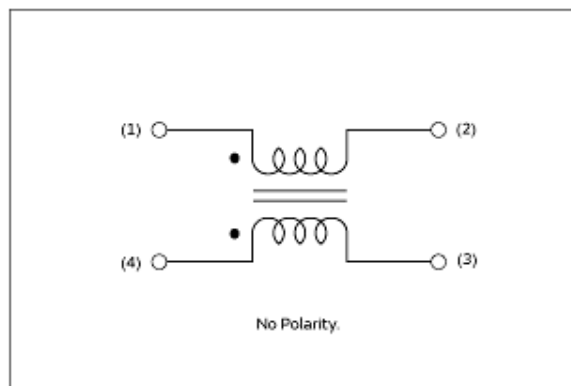
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +85°C, derating of current is necessary for DLW5AT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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Mouser Electronics

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