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DLW5ATN112MQ2#

"#"at the end indicates the package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

DLW5ATN112MQ2B DLW5ATN112MQ2K DLW5ATN112MQ2L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Consumer equipment

Packaging Information

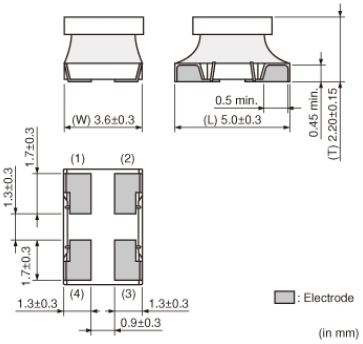
Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	2500
L	180mm Embossed Tape	700

Features

1. Low profile(h=2.35mm max.)
2. Small size(5.0x3.6mm)
3. Large Current Available (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

Appearance & Shape



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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DLW5ATN112MQ2#

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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)	1100Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	50Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	2A
Derating of Rated Current	Yes (Over 85℃) *For details, please check the derating diagram.
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
DC Resistance(max.)	0.056Ω
DC Resistance	0.056Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 105℃
Mass(typ.)	0.14g

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

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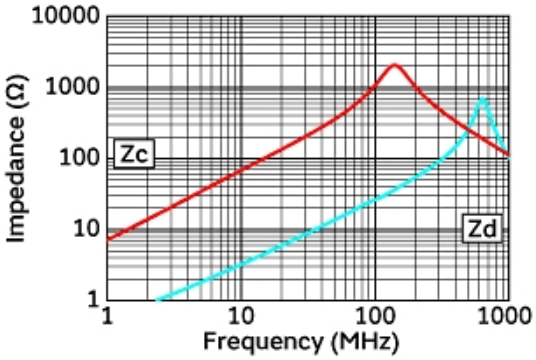
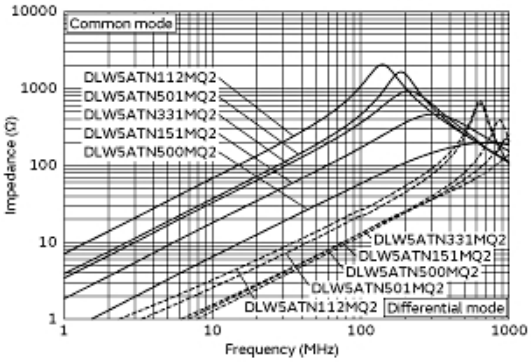
Product Data

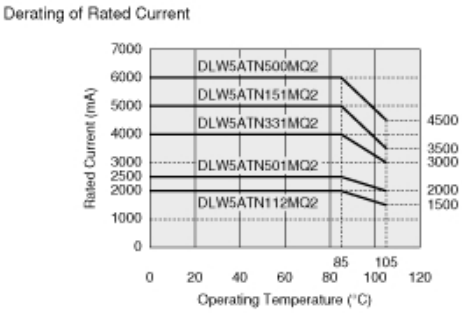


Impedance-Frequency Characteristics



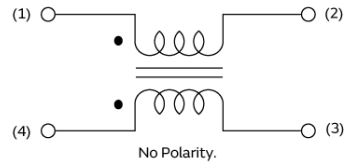
Impedance-Frequency Characteristics (Main Items)

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.

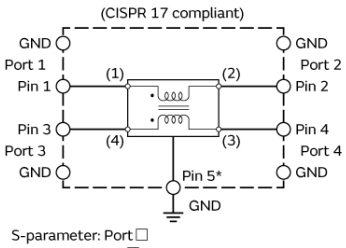


Derating of Rated Current

■ Equivalent Circuit (Note 1)



Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.



S-parameter: Port□
SPICE model: Pin□ (Pin5* connect to GND)

Equivalent Circuit

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