

# DLW32PH122XK2#

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Please download the latest datasheet of DLW32PH122XK2# from the official website of Murata

<http://www.murata.com/en/products/productdetail?partno=DLW32PH122XK2%23>

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

In Production

AEC-Q200

RoHS

REACH

< List of part numbers with package codes >

DLW32PH122XK2B

DLW32PH122XK2L

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Automotive powertrain/safety equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector</p> <p>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.</p>
Recommended Applications	Automotive powertrain/safety equipment

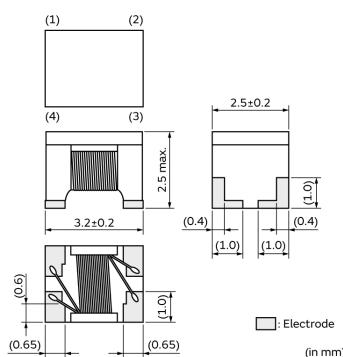
## Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
L	180mm Embossed Tape	1500

## Features

1. It realizes high impedance characteristics at several tens of MHz to several GHz and is suitable for wideband common mode noise removal.
2. Low DC Resistance and a large Rated Current are suitable for common mode noise suppression of the power line.

## Appearance & Shape



1 of 3

### Attention

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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)	3225
Size Code (in inch)	1210
Length	3.2mm
Length Tolerance	±0.2mm
Width	2.5mm
Width Tolerance	±0.2mm
Thickness	2.5mm
Thickness Tolerance	max.
Common Mode Impedance (at 1GHz)	900Ω
Common Mode Impedance (at 1GHz) Tolerance	(Typ.)
Common Mode Impedance (at 100MHz)	1200Ω
Common Mode Impedance (at 100MHz) Tolerance	±20%
Rated Current	1200mA
Derating of Rated Current	Yes (Over 105°C) *For details, please check the derating diagram.
Rated Voltage	60Vdc
Withstanding Voltage	150Vdc
DC Resistance(max.)	0.06Ω
DC Resistance	0.05Ω±20%
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 125°C
Mass(typ.)	0.073g

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

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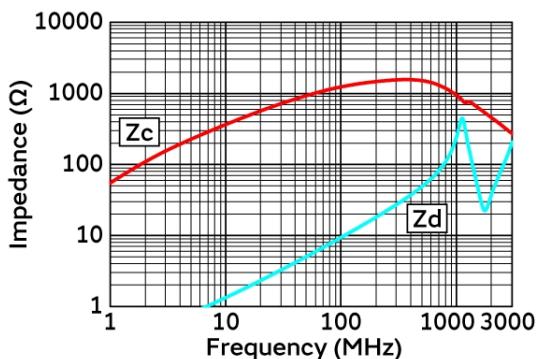
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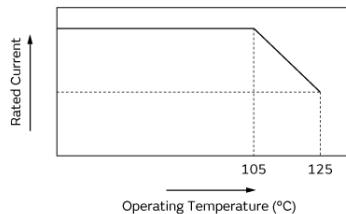
## Product Data



Impedance-Frequency Characteristics

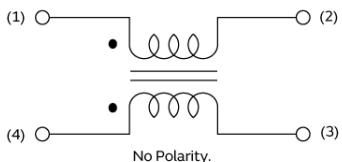
In operating temperature exceeding  $+105^\circ\text{C}$ , derating of current is necessary for this series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

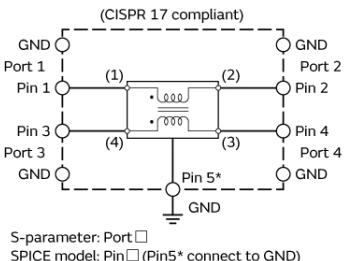


Derating of Rated Current

### ■ Equivalent Circuit (Note 1)



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



S-parameter: Port  $\square$   
SPICE model: Pin  $\square$  (Pin5\* connect to GND)

Equivalent Circuit

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