

# DLW44SM302SK2#

“#” indicates a package specification code.

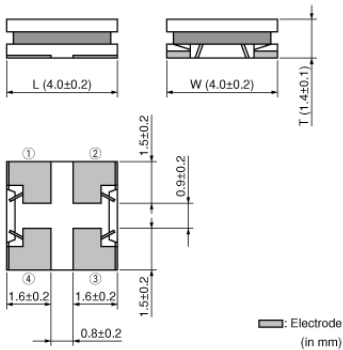
In Production

RoHS

REACH

< List of part numbers with package codes >  
DLW44SM302SK2L DLW44SM302SK2B DLW44SM302SK2K

## Appearance & Shape



## Features

- Features
1. Low profile(h=1.5mm max.)
  2. Small size(4.0 x 4.0mm)
  3. High rated current available(1.1A to 3.1A)
  4. High common mode Impedance (max 2400ohm, at 100MHz)

- 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

## Applications

|             |             |
|-------------|-------------|
| Other Usage | For general |
|-------------|-------------|

## Packaging Information

| Packaging | Specifications      | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| L         | 180mm Embossed Tape | 1000                   |
| B         | Bulk(Bag)           | 100                    |
| K         | 330mm Embossed Tape | 3500                   |

**Attention**

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## Specifications

|                                             |        |                                                                |                |
|---------------------------------------------|--------|----------------------------------------------------------------|----------------|
| Shape                                       | SMD    | DC Resistance                                                  | 0.120Ω±40%     |
| Size Code (in mm)                           | 4040   | Insulation Resistance(min.)                                    | 10MΩ           |
| Size Code (in inch)                         | 1515   | Operating Temperature Range                                    | -40°C to 105°C |
| Length                                      | 4.0mm  | Mass(typ.)                                                     | 0.086g         |
| Length Tolerance                            | ±0.2mm | Number of Circuit                                              | 1              |
| Width                                       | 4.0mm  | Operating Temperature Range(Self-temperature rise is included) | No             |
| Width Tolerance                             | ±0.2mm |                                                                |                |
| Thickness                                   | 1.4mm  |                                                                |                |
| Thickness Tolerance                         | ±0.1mm |                                                                |                |
| Common Mode Impedance (at 100MHz)           | 2200Ω  |                                                                |                |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.) |                                                                |                |
| Common Mode Impedance (at 10MHz)            | 180Ω   |                                                                |                |
| Common Mode Impedance (at 10MHz) Tolerance  | ±40%   |                                                                |                |
| Rated Current                               | 1.1A   |                                                                |                |
| Rated Voltage                               | 60Vdc  |                                                                |                |
| Withstanding Voltage                        | 150Vdc |                                                                |                |
| DC Resistance(max.)                         | 0.168Ω |                                                                |                |

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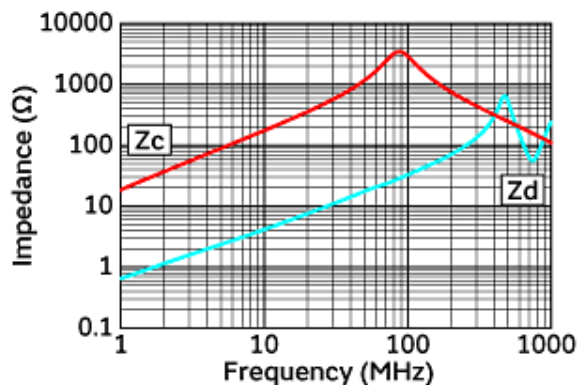
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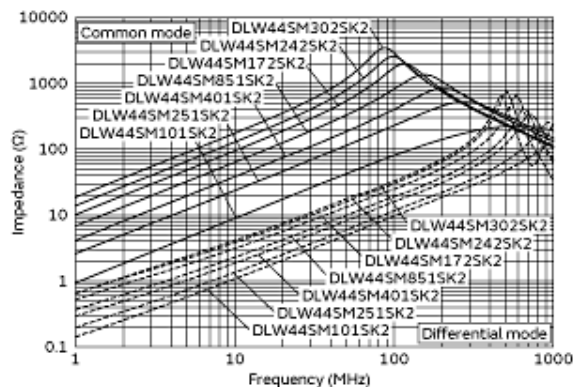
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## Product Data



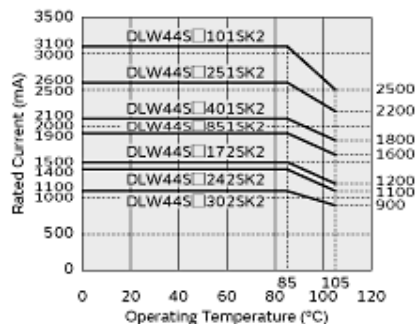
Impedance-Frequency Characteristics



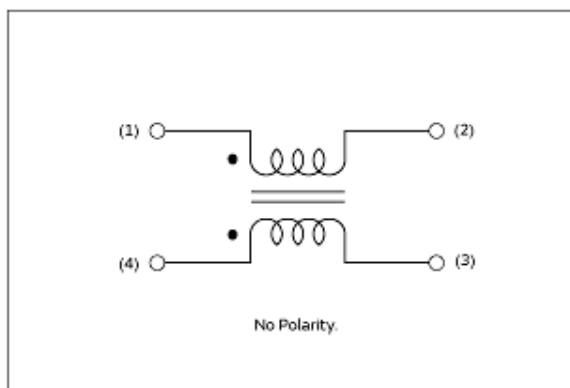
Impedance-Frequency Characteristics  
(Main Items)

In operating temperature exceeding +85°C, derating of current is necessary for DLW44S series. 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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