

DLW44SM851SK2#

Note: This datasheet may be out of date.

Please download the latest datasheet of DLW44SM851SK2# from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-us/products/productdetail?partno=DLW44SM851SK2%23>

“#” indicates a package specification code.

In Production

RoHS

REACH

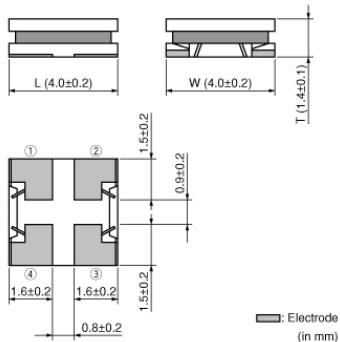
< List of part numbers with package codes >

DLW44SM851SK2B

DLW44SM851SK2K

DLW44SM851SK2L

Appearance & Shape



Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	3500
L	180mm Embossed Tape	1000

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

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)	4040
Size Code (in inch)	1515
Length	4.0mm
Length Tolerance	±0.2mm
Width	4.0mm
Width Tolerance	±0.2mm
Thickness	1.4mm
Thickness Tolerance	±0.1mm
Common Mode Impedance (at 100MHz)	850Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	65Ω
Common Mode Impedance (at 10MHz) Tolerance	±40%
Rated Current	1.9A
Derating of Rated Current	Yes (Over 85°C) *For details, please check the derating diagram.
Rated Voltage	60Vdc
Withstanding Voltage	150Vdc
DC Resistance(max.)	0.056Ω
DC Resistance	0.040Ω±40%
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 105°C
Mass(typ.)	0.086g

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

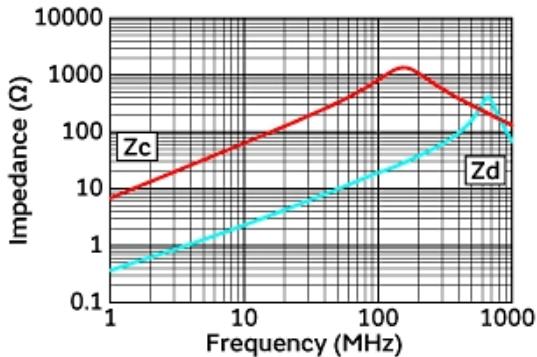
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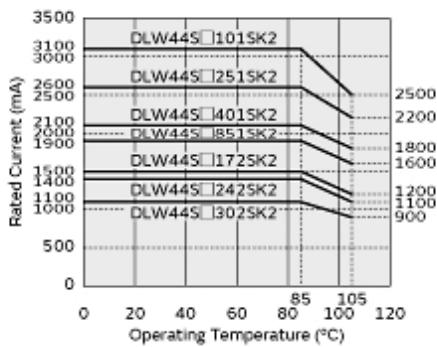
Product Data



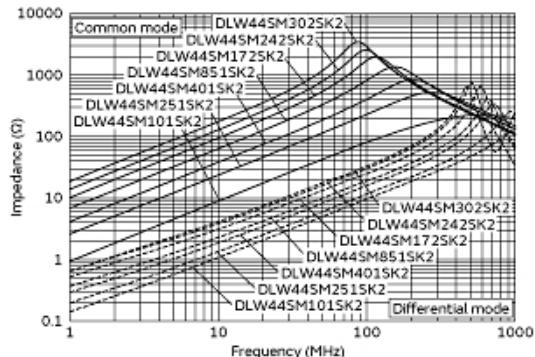
Impedance-Frequency Characteristics

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.

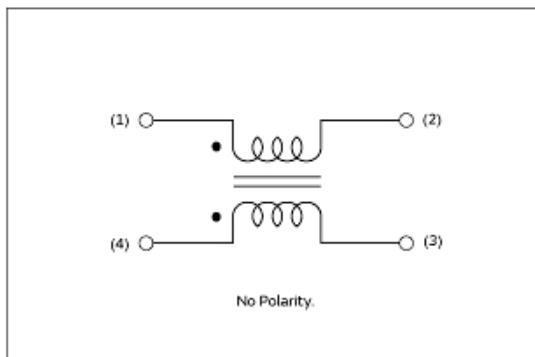
Derating of Rated Current



Derating of Rated Current



Impedance-Frequency Characteristics (Main Items)



Equivalent Circuit

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