

DLW44SM851SK2#

“#” indicates a package specification code.

In Production

RoHS

REACH

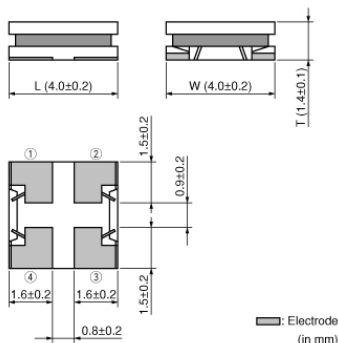
< List of part numbers with package codes >

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
-------------	-------------

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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.

DLW44SM851SK2#

“#” indicates a package specification code.



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
Brand	Murata

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

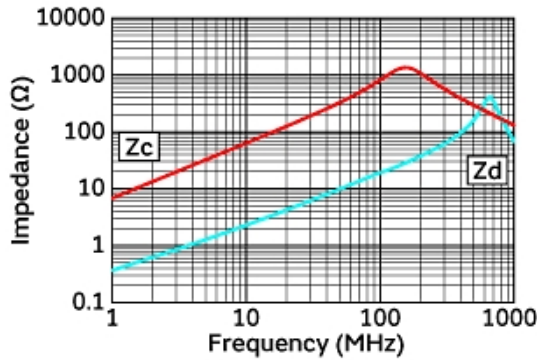
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

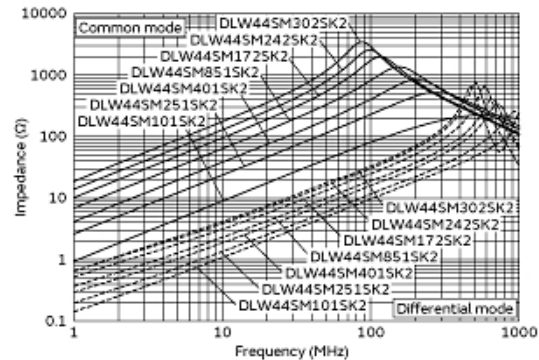
DLW44SM851SK2#

“#” indicates a package specification code.

Product Data



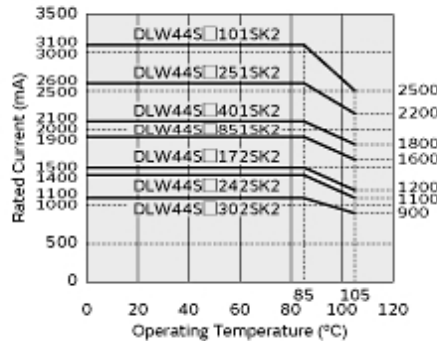
Impedance-Frequency Characteristics



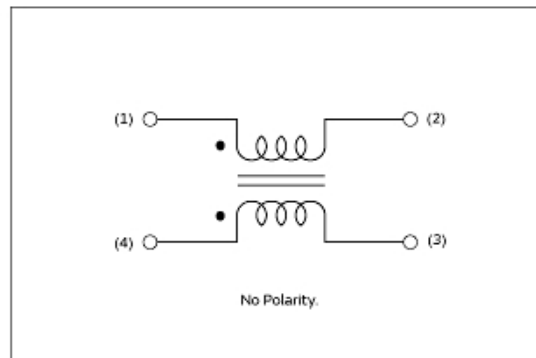
Impedance-Frequency Characteristics (Main Items)

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

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

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.