DLW5BSM801TQ2#

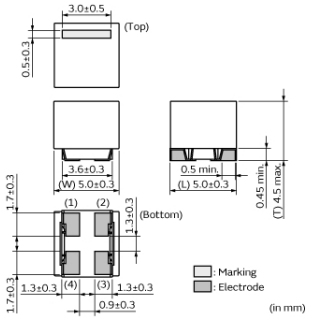
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

DLW5BSM801TQ2B DLW5BSM801TQ2K DLW5BSM801TQ2L

Appearance & Shape



Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	1500
L	180mm Embossed Tape	400

Applications

Other Usage	For general

Features

Features
1. Small size (5.0x5.0mm) and high rated current (1 to 2A)
2. High common mode Impedance (max 2800ohm,at 10MHz.)
3. Operating Temperature Range -40°C to +105°C

Applications
1. DC power lines in AC adapters of Portable equipment
2. DC power lines of DC-DC converters, battery chargers

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Specifications

Shape	SMD
Size Code (in mm)	5050
Size Code (in inch)	2020
Length	5.0mm
Length Tolerance	±0.3mm
Width	5.0mm
Width Tolerance	±0.3mm
Thickness	4.5mm
Thickness Tolerance	max.
Common Mode Impedance (at 100MHz)	800Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	550Ω
Common Mode Impedance (at 10MHz) Tolerance	±40%
Rated Current	2A
Derating of Rated Current	Yes (Over 65℃) *For details, please check the derating diagram.
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.056Ω
DC Resistance	0.056Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 105℃
Mass(typ.)	0.3g

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

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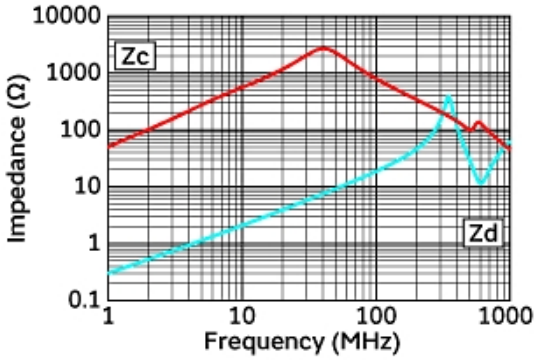
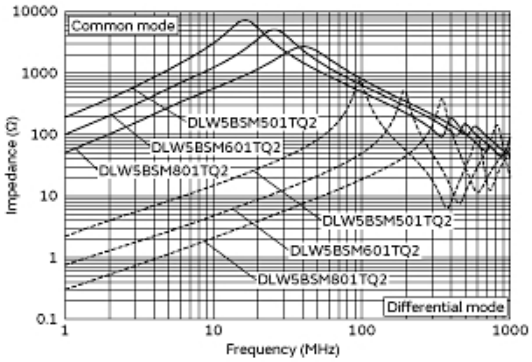
Product Data



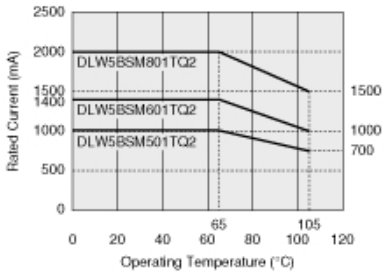
Impedance-Frequency Characteristics



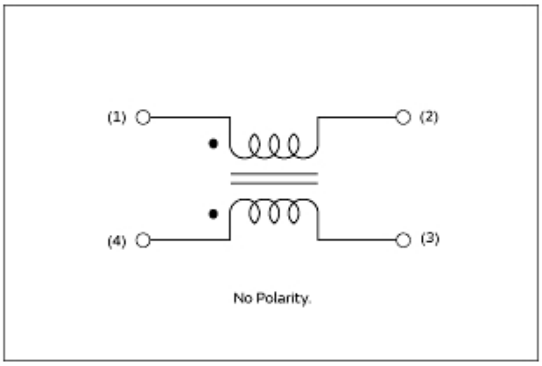
Impedance-Frequency Characteristics (Main Items)

In operating temperature exceeding +65°C, derating of current is necessary for DLW5BS_TQ2 series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit