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DLW5BTM142TQ2#

"#" indicates a package specification code.

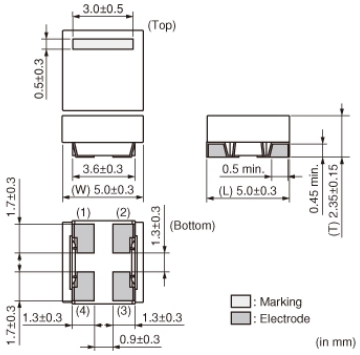
In Production RoHS REACH

< List of part numbers with package codes >

DLW5BTM142TQ2B DLW5BTM142TQ2K DLW5BTM142TQ2L

Appearance & Shape





Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	2500
L	180mm Embossed Tape	700

Applications

Other Usage	For general

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DLW5BTM142TQ2#

"#" indicates a package specification code.

Features

Features
1. Low profile (h=2.5mm)
2. Small size (5.0x5.0mm) and high rated current (2 to 6A)
3. High common mode Impedance (max. 1400 ohm, at 100MHz)
4 ·Operating Temperature Range -40°C to +105°C

Applications
Noise suppression for power line
1. Power line equipment
   -DC-DC converters
   -Battery chargers
2. Portable equipment
   -PDAs (Personal Digital Assistants)
   -Note PCs
   -Printers

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DLW5BTM142TQ2#

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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	2.35mm
Thickness Tolerance	±0.15mm
Common Mode Impedance (at 100MHz)	1400Ω
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)
Common Mode Impedance (at 10MHz)	100Ω
Common Mode Impedance (at 10MHz) Tolerance	min.
Rated Current	2A
Derating of Rated Current	Yes (Over 85℃) *For details, please check the derating diagram.
Rated Voltage	100Vdc
Withstanding Voltage	250Vdc
DC Resistance(max.)	0.056Ω
DC Resistance	0.056Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40℃ to 105℃
Mass(typ.)	0.21g

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

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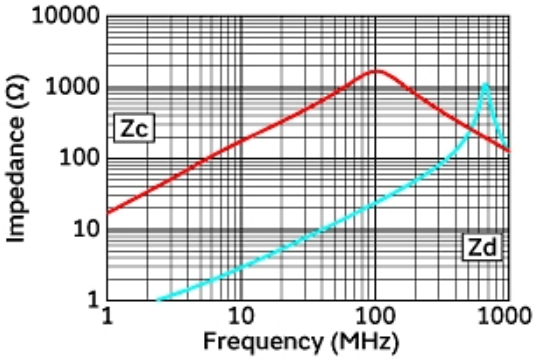
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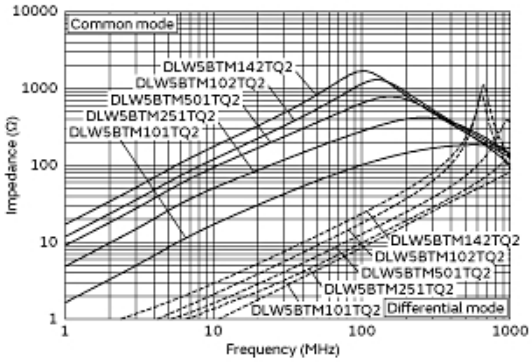
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Product Data

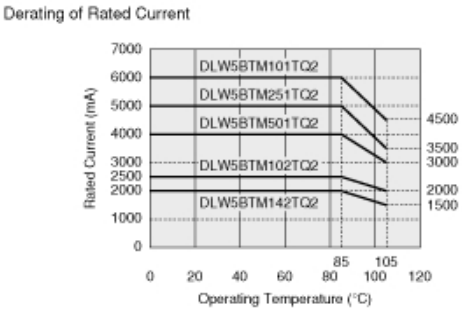


Impedance-Frequency Characteristics

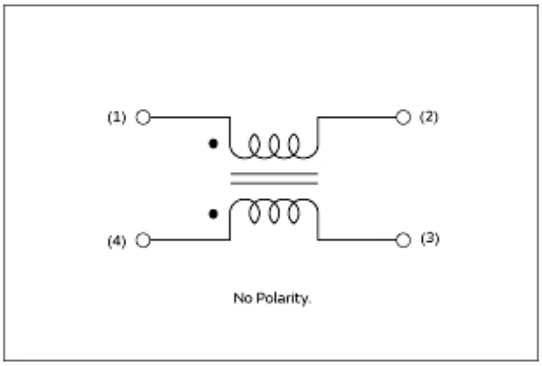


Impedance-Frequency Characteristics (Main Items)

In operating temperature exceeding +85°C, derating of current is necessary for DLW5BT series (105 degree C available type). Please apply the derating curve shown in chart according to the operating temperature.



Derating of Rated Current



Equivalent Circuit

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