

DLW5BTM142TQ2#

“#” indicates a package specification code.

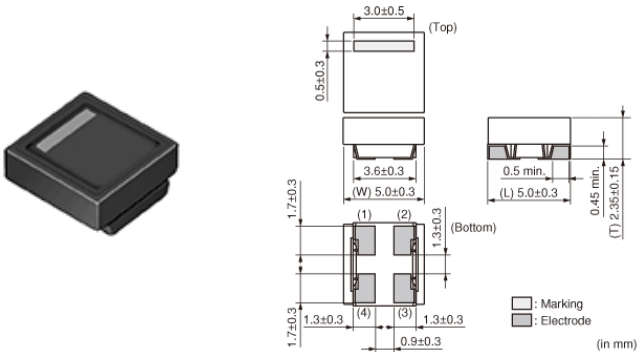
In Production

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 |
|-------------|-------------|

Attention

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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.

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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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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°C) *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°C to 105°C |
| Mass(typ.) | 0.21g |

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

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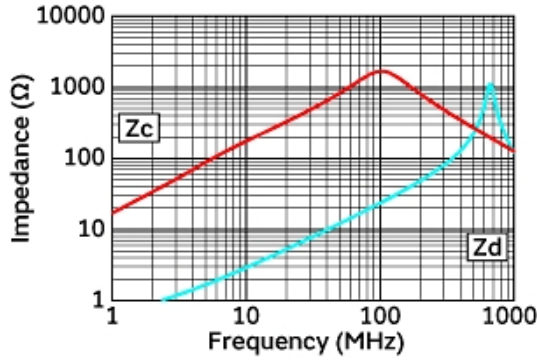
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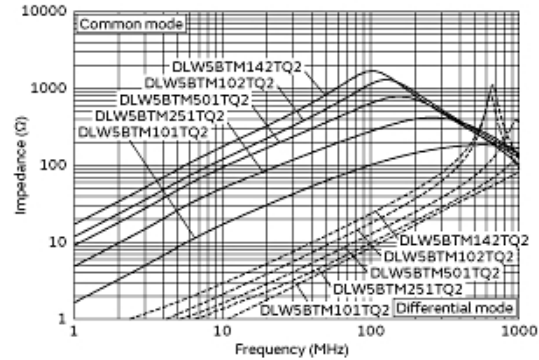
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Product Data



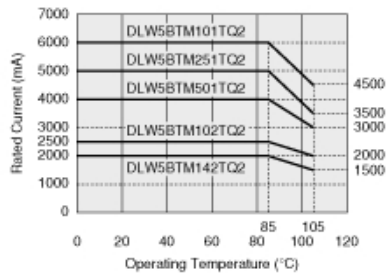
Impedance-Frequency Characteristics



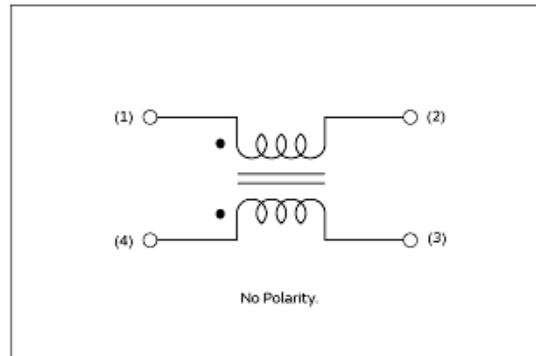
Impedance-Frequency Characteristics
(Main Items)

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



Derating of Rated Current



Equivalent Circuit

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Mouser Electronics

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