

DLW5ATZ231TQ2#

Note: This datasheet may be out of date.

Please download the latest datasheet of DLW5ATZ231TQ2# from the official website of Murata Manufacturing Co., Ltd.

<http://www.murata.com/en-us/products/productdetail?partno=DLW5ATZ231TQ2%23>

"#" indicates a package specification code.

In Production

AEC-Q200

RoHS

REACH

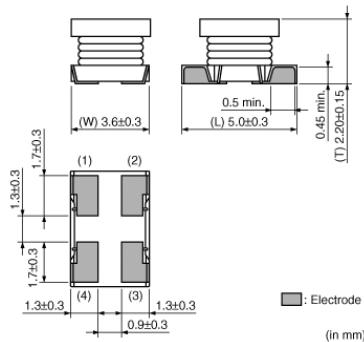
< List of part numbers with package codes >

DLW5ATZ231TQ2B

DLW5ATZ231TQ2K

DLW5ATZ231TQ2L

Appearance & Shape



Packaging Information

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

Features

Low profile (h=2.35mm) chip common mode choke coil.
Suitable for noise suppression at DC power lines.

Features

1. Low profile (h=2.35mm)
2. Small size (5.0x3.6mm)
3. Large Current Available (1.5A to 4A)
4. Operating Temperature Range -40°C to +105°C

Applications

| | |
|------------------|--------------|
| Automotive Usage | Infotainment |
|------------------|--------------|

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Specifications

| | |
|---|----------------|
| Shape | SMD |
| Size Code (in mm) | 5036 |
| Size Code (in inch) | 2014 |
| Length | 5.0mm |
| Length Tolerance | ±0.3mm |
| Width | 3.6mm |
| Width Tolerance | ±0.3mm |
| Thickness | 2.2mm |
| Thickness Tolerance | ±0.15mm |
| Common Mode Impedance (at 100MHz) | 230Ω |
| Common Mode Impedance (at 100MHz) Tolerance | (Typ.) |
| Common Mode Impedance (at 10MHz) | 22Ω |
| Common Mode Impedance (at 10MHz) Tolerance | ±25% |
| Rated Current | 2.5A |
| Derating of Rated Current | No |
| Rated Voltage | 100Vdc |
| Withstanding Voltage | 250Vdc |
| DC Resistance(max.) | 0.027Ω |
| DC Resistance | 0.027Ω max. |
| Insulation Resistance(min.) | 10MΩ |
| Operating Temperature Range | -40°C to 105°C |
| Mass(typ.) | 0.14g |
| Number of Circuit | 1 |

| | |
|--|----|
| Operating Temperature Range(Self-temperature rise is included) | No |
|--|----|

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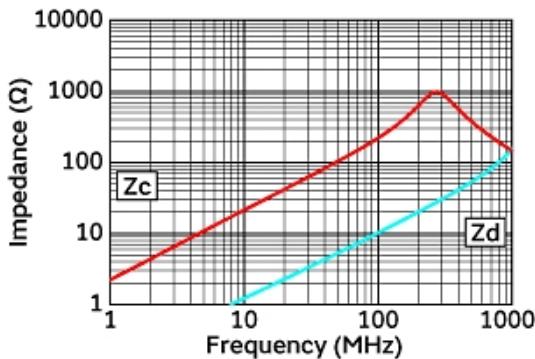
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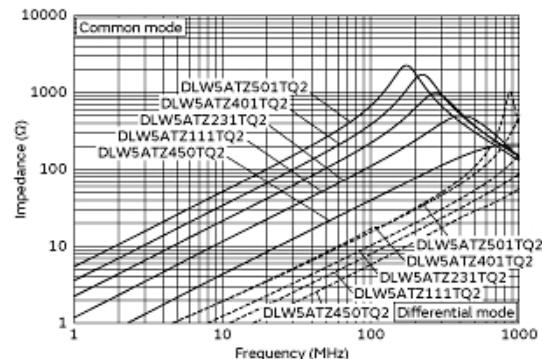
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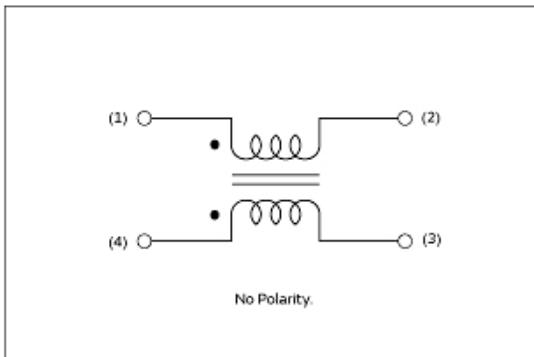
Product Data



Impedance-Frequency Characteristics



Impedance-Frequency Characteristics (Main Items)



Equivalent Circuit

3 of 3

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