DLW5ATZ231TQ2#

"#"at the end indicates the package specification code.

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >

DLW5ATZ231TQ2B DLW5ATZ231TQ2K DLW5ATZ231TQ2L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment,Consumer equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector,Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive infotainment/comfort equipment

Packaging Information

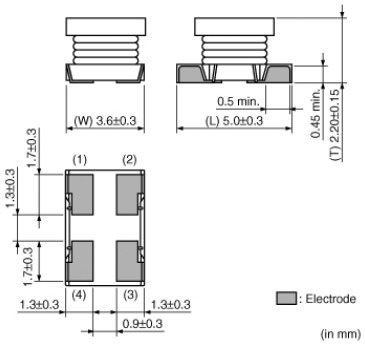
Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330mm Embossed Tape	2500
L	180mm Embossed Tape	700

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

Appearance & Shape



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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℃ to 105℃
Mass(typ.)	0.14g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

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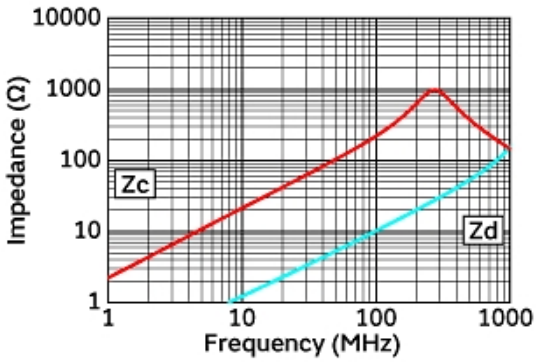
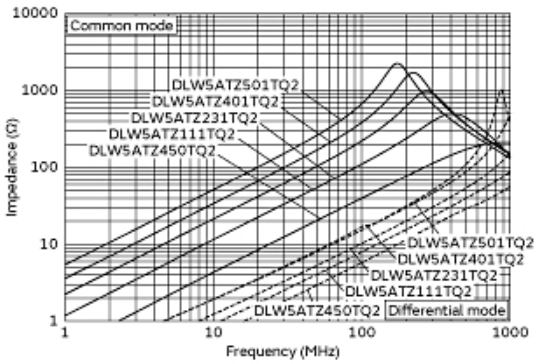
Product Data

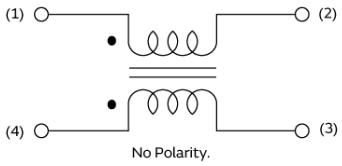


Impedance-Frequency Characteristics

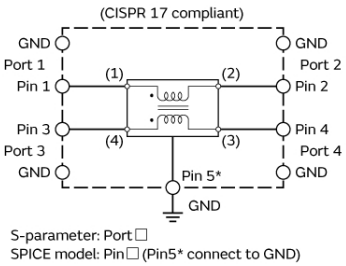


Impedance-Frequency Characteristics (Main Items)

■ Equivalent Circuit (Note 1)



Note1: The Port/Pin No. of the Simulation Model provided by our company is as follows.



S-parameter: Port□
SPICE model: Pin□(Pin5* connect to GND)

Equivalent Circuit