

DLW5ATH231TQ2L

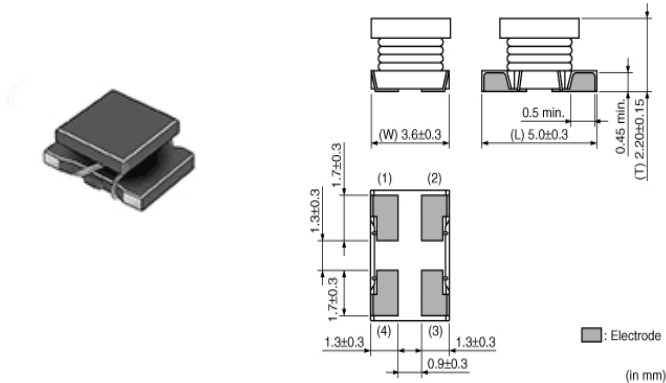
“#” indicates a package specification code.



< List of part numbers with package codes >

DLW5ATH231TQ2K DLW5ATH231TQ2L DLW5ATH231TQ2B

Appearance & Shape



Packaging Information

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

Features

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

Features

1. Low profile ($h=2.35\text{mm}$)
2. Small size ($5.0\times 3.6\text{mm}$)
3. Large Current Available (1.5A to 4A)
4. Operating Temperature Range -40°C to $+125^{\circ}\text{C}$

Applications

Automotive Usage	Powertrain/Safety
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Attention

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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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	Yes (Over 105°C) *For details, please check the derating diagram.
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.027Ω
DC Resistance	0.027Ω max.
Insulation Resistance(min.)	10MΩ
Operating Temperature Range	-40°C to 125°C
Mass(typ.)	0.14g

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

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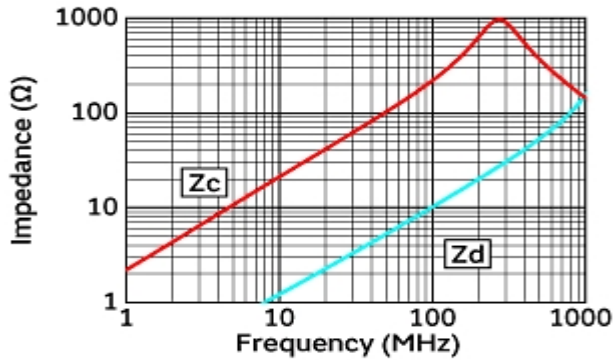
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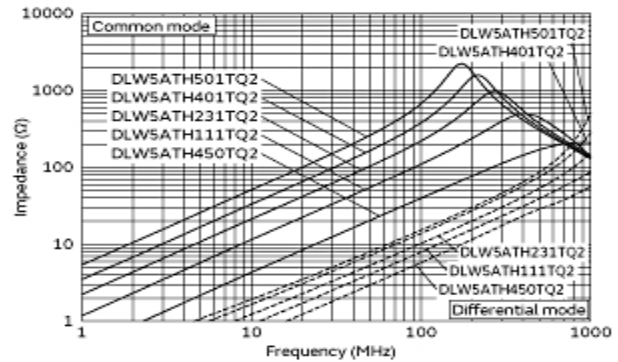
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Product Data



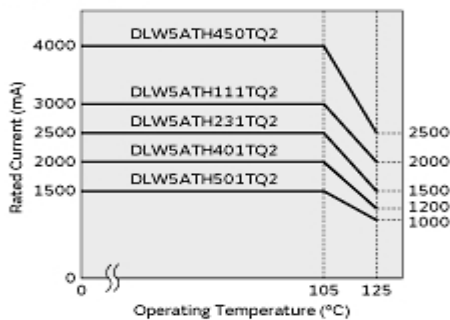
Impedance-Frequency Characteristics



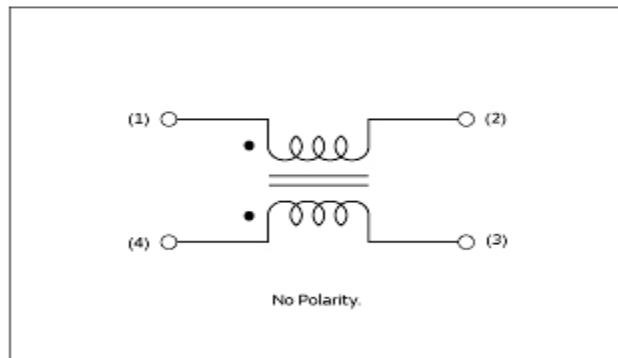
Impedance-Frequency Characteristics
(Main Items)

In operating temperature exceeding +105°C, derating of current is necessary for DLW5ATH_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

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