

DLW5ATH111TQ2#

“#” indicates a package specification code.

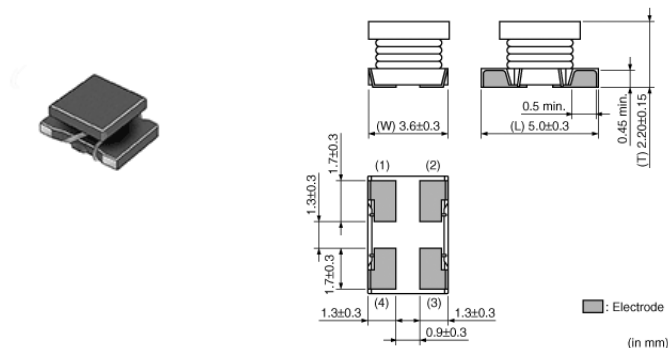


< List of part numbers with package codes >

DLW5ATH111TQ2B DLW5ATH111TQ2K DLW5ATH111TQ2L

Appearance & Shape

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 ($5.0\times3.6\text{mm}$)
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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Packaging Information

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

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	DC Resistance	0.020Ω max.
Size Code (in mm)	5036	Insulation Resistance(min.)	10MΩ
Size Code (in inch)	2014	Operating Temperature Range	-40°C to 125°C
Length	5.0mm	Mass(typ.)	0.14g
Length Tolerance	±0.3mm	Number of Circuit	1
Width	3.6mm	Operating Temperature Range(Self-temperature rise is included)	No
Width Tolerance	±0.3mm		
Thickness	2.2mm		
Thickness Tolerance	±0.15mm		
Common Mode Impedance (at 100MHz)	110Ω		
Common Mode Impedance (at 100MHz) Tolerance	(Typ.)		
Common Mode Impedance (at 10MHz)	12Ω		
Common Mode Impedance (at 10MHz) Tolerance	±25%		
Rated Current	3A		
Rated Voltage	50Vdc		
Withstanding Voltage	125Vdc		
DC Resistance(max.)	0.02Ω		

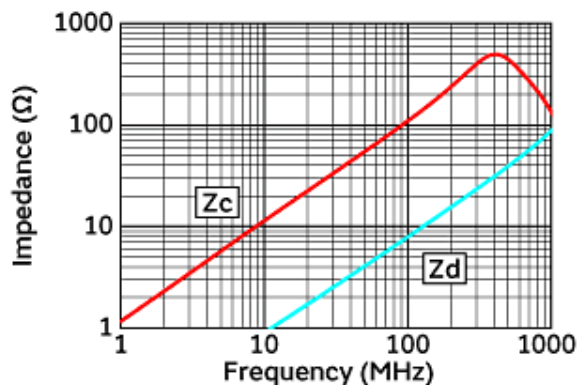
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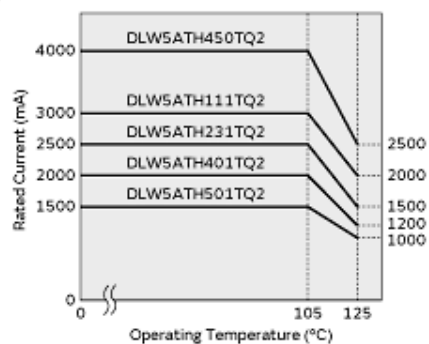
Product Data



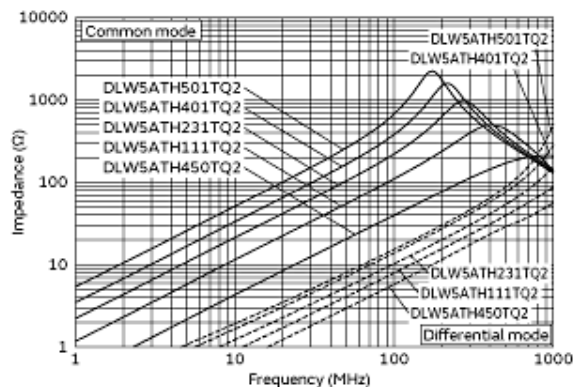
Impedance-Frequency Characteristics

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.

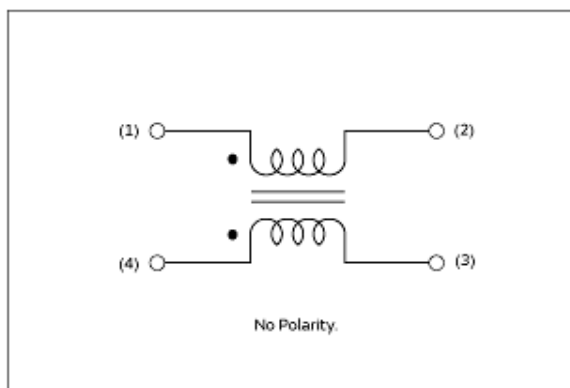
Derating of Rated Current



Derating of Rated Current



Impedance-Frequency Characteristics
(Main Items)



Equivalent Circuit

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