

Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of DLW5ATH401TQ2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=DLW5ATH401TQ2%23

DLW5ATH401TQ2L

In Production AEC-Q200 RoHS REACH

< List of part numbers with package codes > DLW5ATH401TQ2B DLW5ATH401TQ2K

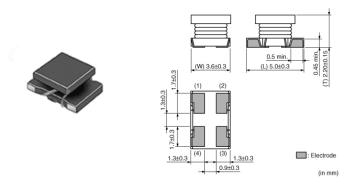
DLW5ATH401TQ2L



Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Automotive powertrain/safety equipment,	
	Automotive infotainment/comfort	
	equipment,Consumer equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial Equipment	
Specific	Please refer to Our Website and	
Applications	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	Automotive powertrain/safety equipment	
Applications		

Appearance & Shape





Packaging Information

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

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	100
К	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 +125°C

1 of 3

Attention

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without advance notice. Please check with our sales representatives or product engineers before ordering.

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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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)	400Ω
Common Mode Impedance (at 100MHz) Tolerance	(Тур.)
Common Mode Impedance (at 10MHz)	35Ω
Common Mode Impedance (at 10MHz) Tolerance	±25%
Rated Current	2A
Derating of Rated Current	Yes (Over 105°C) *For details, please check the derating diagram.
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
DC Resistance(max.)	0.034Ω
DC Resistance	0.034Ω max.
Insulation Resistance(min.)	10ΜΩ
Operating Temperature Range	-40°C to 125℃
Mass(typ.)	0.14g

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

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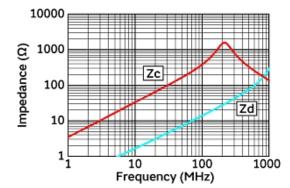
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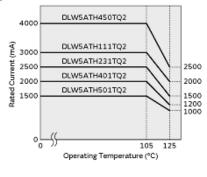


10000 Common mode DLW5ATH501TQ2 DLW5ATH401TQ2 DLW5ATH501TO2 1000 DLW5ATH401TO2 DLW5ATH231TQ2 Impedance (Ω) DLW5ATH111TQ2 DLW5ATH450TO2 100 10 DLW5ATH231TO DLWSATH111TQ2 DLW5ATH450TQ2 Differential mode 100 1000 10 Frequency (MHz)

Impedance-Frequency Characteristics

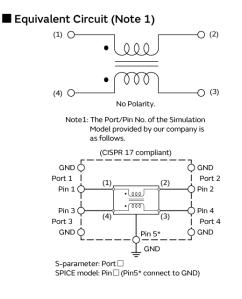
In operating temperature exceeding +105°C, derating of current is necessary for DLW5ATH_TQ2 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current

Impedance-Frequency Characteristics (Main Items)



Equivalent Circuit

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