

Note: This datasheet may be out of date.

Please download the latest datasheet of DLP31SN221ML2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=DLP31SN221ML2%23

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







< List of part numbers with package codes > DLP31SN221ML2B DLP31SN221ML2L



Applications

Unsuitable	Please be sure to read and comply with		
Applications	these "Precautions for use."		
	Consumer equipment,Medical		
	equipment [GHTF A/B/C] except for		
	implant & surgery & auto injector,		
	Industrial equipment except for		
	transportation & facility & energy		
	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	Canalimar aguinment		
Applications	Consumer equipment		



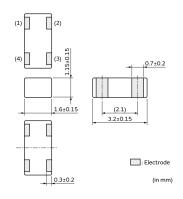
Packaging Information

Packaging	Specifications	Standard
		Packing
		Quantity
В	Bulk(Bag)	500
L	180mm Embossed Tape	3000



Appearance & Shape





1 of 4

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued 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.





Note: This datasheet may be out of date

Please download the latest datasheet of DLP31SN221ML2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=DLP31SN221ML2%2

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



Features

DLP31S series is chip common mode choke coil that realizes high impedance in a small size with ferrite material technology and film processing technology. DLP31S series has excellent performance at high frequency range. It is suitable for differential signal line application.

Features

- 1. Small size, low profile, SMD. 3.2x1.6x1.15mm (Tolerance: +-0.15mm)
- 2. High common mode impedance (550 ohm at 100MHz typ.) in small size
- 3. DLP31S suppresses high frequency noise that was unable to be suppressed with existing common mode choke coils. Suitable for differential signal lines like USB, because DLP31S does not provide distortion to high speed signal transmission due to its high coupling (coupling coefficient: 0.98 min.)

Applications

- 1. USB lines of PCs, peripheral equipment
- 2. LVDS lines of Note-PCs, LCDs
- USB lines of digital AV equipment such as digital cameras

2 of 4

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued 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





Note: This datasheet may be out of date.

Please download the latest datasheet of DLP31SN221ML2# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=DLP31SN221ML2%23

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



Specifications

Shape	SMD
Size Code (in mm)	3216
Size Code (in inch)	1206
Length	3.2mm
Length Tolerance	±0.15mm
Width	1.6mm
Width Tolerance	±0.15mm
Thickness	1.15mm
Thickness Tolerance	±0.15mm
Common Mode Impedance (at 100MHz)	220Ω
Common Mode Impedance (at 100MHz) Tolerance	±20%
Rated Current	100mA
Derating of Rated Current	No
Rated Voltage	16Vdc
Withstanding Voltage	40Vdc
DC Resistance(max.)	2.5Ω
DC Resistance	2.5Ω max.
Insulation Resistance(min.)	100ΜΩ
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.03g
Number of Circuit	1
Operating Temperature Range(Self-temperature rise is included)	No
Brand	Murata

3 of 4

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued 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.

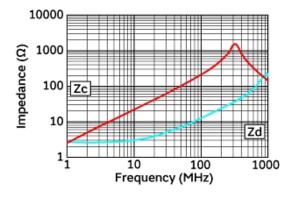


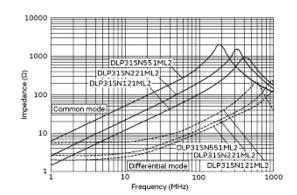
Note: This datasheet may be out of date.

Please download the latest datasheet of DLP31SN221ML2# from the official website of Murata Manufacturing Co., Ltd.

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

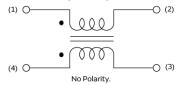
Product Data



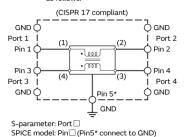


Impedance-Frequency Characteristics

■ Equivalent Circuit (Note 1)



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



Impedance-Frequency Characteristics (Main Items)

Equivalent Circuit

4 of 4

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued 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

