

# LQW31HN56NK03#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQW31HN56NK03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQW31HN56NK03%23

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

Size Code 3216 (1206) in mm (in inch), Wound Type















< List of part numbers with package codes > LQW31HN56NK03K LQW31HN56NK03L

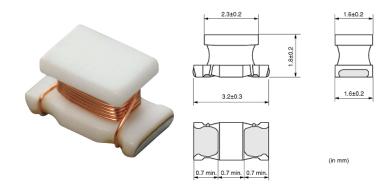


### **Applications**

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	Consumer equipment	
Applications		



### Appearance & Shape





#### References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)		
1 piece	0.02g	

1 of 3

#### 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.





## LQW31HN56NK03#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQW31HN56NK03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQW31HN56NK03%23

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



## **Specifications**

L size	3.2±0.3mm
W size	1.6±0.2mm
T size	1.8±0.2mm
Size code inch (mm)	1206 (3216)
Inductance	56nH±10%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	330mA
Max. of DC resistance	0.196Ω
DC resistance	0.14Ω±40%
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Non-Shielded
Q(min.)	60
Q Test Frequency	436MHz
Self resonance frequency (min.)	1000MHz
Brand	Murata
Series	LQW31HN_03

2 of 3

#### 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.



## LQW31HN56NK03#

Note: This datasheet may be out of date.

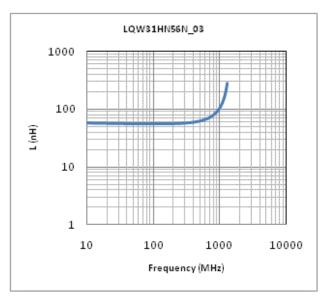
Please download the latest datasheet of LQW31HN56NK03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQW31HN56NK03%23

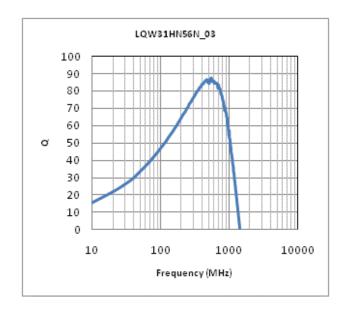
"#"at the end indicates the package specification code.



### Characteristic Data



Inductance - Frequency Characteristics



Q-Frequency Characteristics

3 of 3

#### 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.

