

Note: This datasheet may be out of date. Please download the latest datasheet of LQH31MN1R2K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH31MN1R2K03%23

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

Size Code 3216 (1206) in mm (in inch)

LQH31MN1R2K03#



< List of part numbers with package codes > LQH31MN1R2K03K LQH31MN1R2K03L

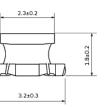
## Applications

	-	
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	Consumer equipment	



## Appearance & Shape





1.6±0.2	-
	-
)	7
$\square$	$\overline{)}$
1.6+0.7	

# 0.7 min. 0.7 mi

(in mm)



## **Notices**

When rated current is applied to the products, selftemperature rise shall be limited to 20°C max and inductance will be within ±10% of initial inductance value.

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#### 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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## References

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

Mass (typ.)	
1 piece	0.029g

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## 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	1.2µH±10%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	165mA
Max. of DC resistance	1.17Ω
DC resistance	0.9Ω±30%
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 85℃
Class of magnetic shield	Non-Shielded
Q(min.)	35
Q Test Frequency	10MHz
Self resonance frequency (min.)	90MHz
Brand	Murata
Series	LQH31MN_03

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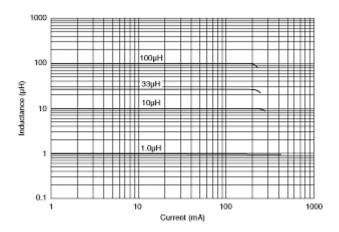
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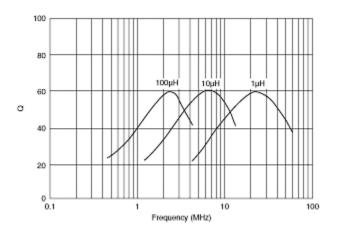
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# Characteristic Data

LQH31MN1R2K03#





### Impedance - Current Characteristics

## **Q-Frequency Characteristics**

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