

# LQW2BAN47NJ00#

"#" indicates a package specification code.

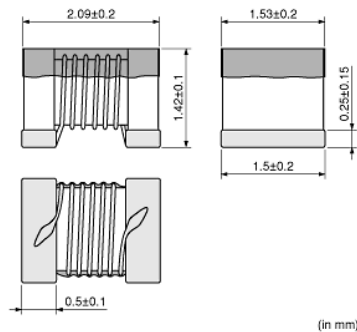
0805(inch)/2015(mm) size, horizontal wound inductor.



< List of part numbers with package codes >

LQW2BAN47NJ00B LQW2BAN47NJ00L LQW2BAN47NJ00K

## Appearance & Shape



## References

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
L	180Embossed Tape	2000
K	330Embossed Tape	8000

Mass (typ.)	
1 piece	0.014g

## Notices

Please consider 'Notice (Rating).' When rated current is applied to the products, self-temperature rise shall be limited to 40°C max.

### 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.

# LQW2BAN47NJ00#

"#" indicates a package specification code.

## Specifications

L size	2.09±0.2mm
W size	1.53±0.2mm
T size	1.42±0.1mm
Size code inch (mm)	0805 (2015)
Inductance	47nH±5%
Inductance Test Frequency	200MHz
Rated current (Itemp) (Based on Temperature rise)	1250mA
Max. of DC resistance	0.2Ω
Operating Temperature Range (Self-temperature rise is included)	-55°C to 125°C
Q(min.)	70
Q Test Frequency	500MHz
Self resonance frequency (min.)	1500MHz
Series	LQW2BAN_00

### 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.

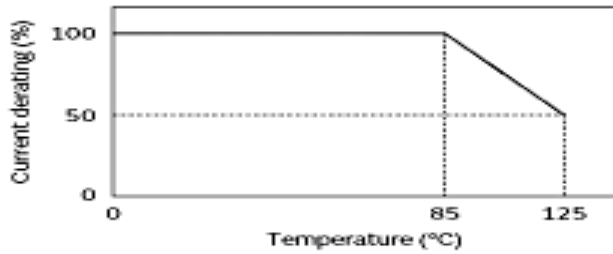
# LQW2BAN47NJ00#

"#" indicates a package specification code.

## Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.  
Please apply the derating curve shown in the chart according to the operating temperature.

### Derating of Rated Current



#### Attention

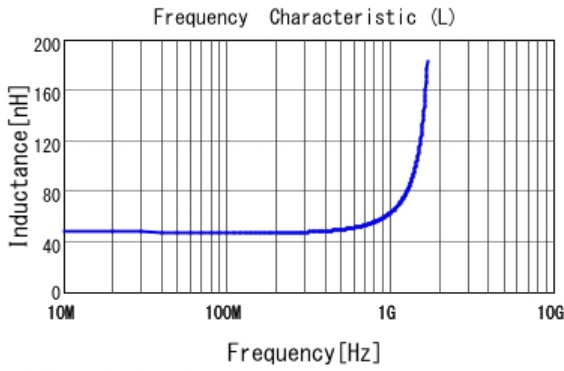
- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet 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.

# LQW2BAN47NJ00#

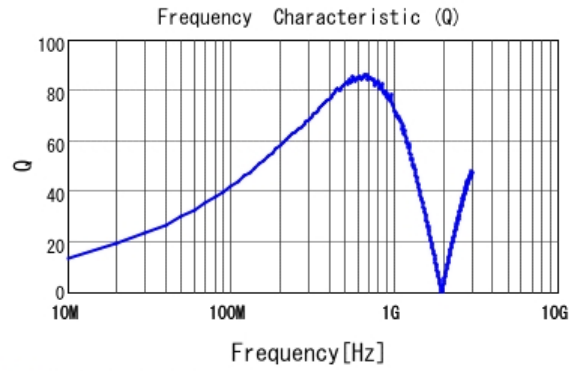
"#" indicates a package specification code.

## Characteristic Data

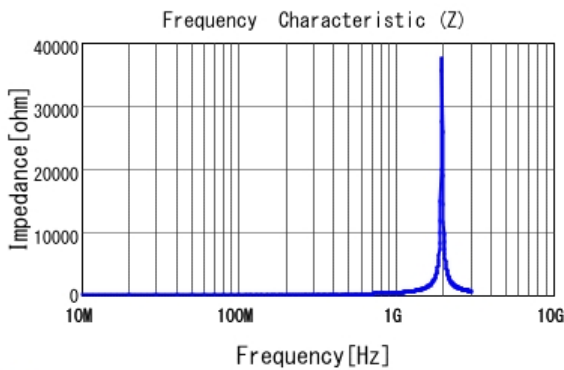
The charts below may show another part number which shares its characteristics.



■ LQW2BAN47NJ00 L



■ LQW2BAN47NJ00 Q



■ LQW2BAN47NJ00 |Z|

**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.