

# LQH3NPZ220MGR#

“#” indicates a package specification code.

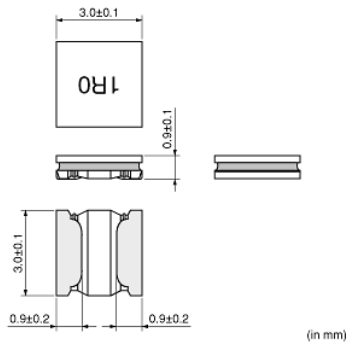
Size Code 3030 (1212) in mm (in inch), 1.0mm max. Thickness. Low DC Resistance Type



< List of part numbers with package codes >

LQH3NPZ220MGRL

## Appearance & Shape



## Notices

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of initial inductance value range. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max (ambient temperature 85°C to 105°C). Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.034g

### 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.

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## Specifications

L size	3.0±0.1mm
W size	3.0±0.1mm
T size	0.9±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	22μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	390mA
Rated current (Itemp) (Based on Temperature rise)	750mA(Ambient temp.85°C) 450mA(Ambient temp.105°C)
Max. of DC resistance	0.636Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	10MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.53Ω±20%
Series	LQH3NPZ_GR

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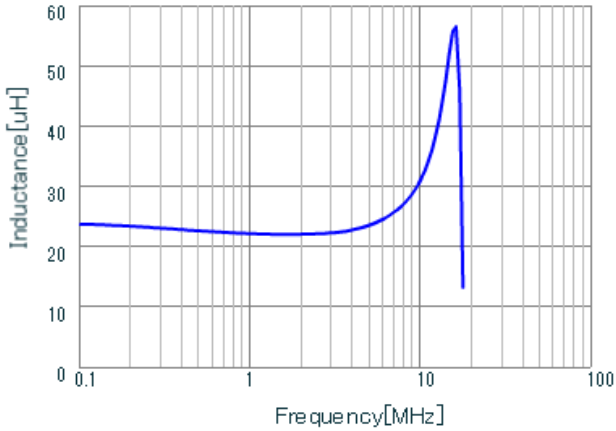
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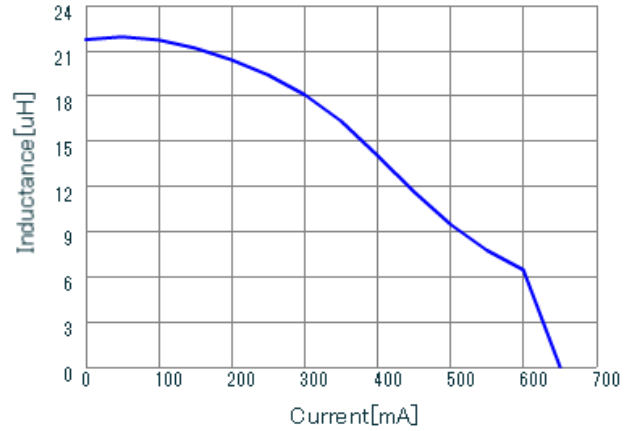
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## Characteristic Data

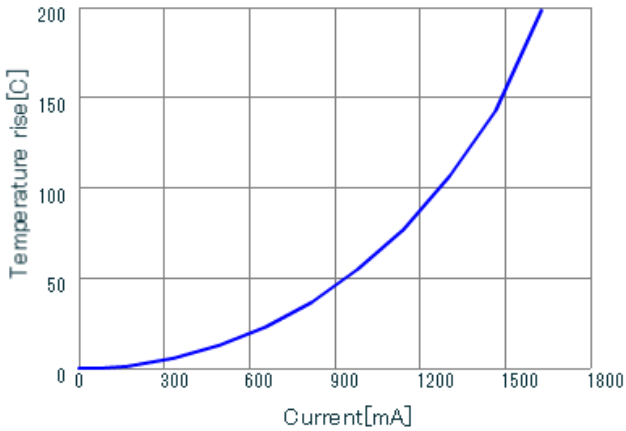


LQH3NPZ220MGR L



LQH3NPZ220MGR DC-Bias, 20

### Inductance - Frequency Characteristics



LQH3NPZ220MGR DT\_Current

### Impedance - Current Characteristics

### Temperature Increase Characteristic

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