

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH3NPZ220MGR# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=LQH3NPZ220MGR%23

"#"at the end indicates the 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



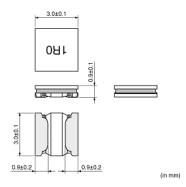
Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and 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
Recommended	Automotive infotainment/comfort
Applications	equipment



Appearance & Shape





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Attentior

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 $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$

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Notices

When rated current is applied to the products, inductance will be within ±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 pie	ece	0.034g

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Specifications

3.0±0.1mm
3.0±0.1mm
0.9±0.1mm
1212 (3030)
22μH±20%
1MHz
390mA
750mA(Ambient temp.85°C)
450mA(Ambient temp.105°C)
0.636Ω
0.53Ω±20%
-40°C to 125°C
-40°C to 105°C
Shielded (Magnetic Resin)
10MHz
Murata
LQH3NPZ_GR

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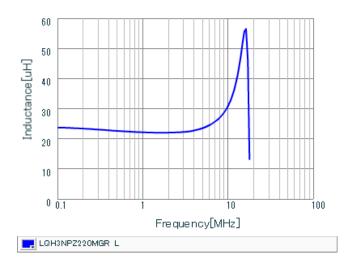
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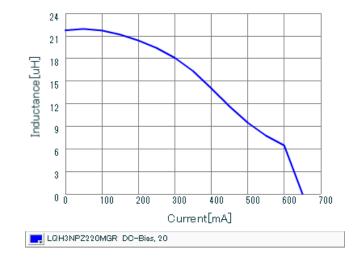
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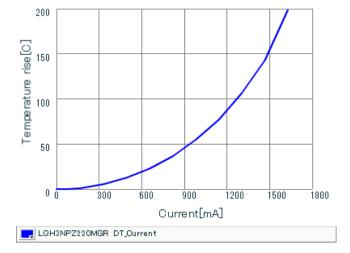


Characteristic Data





Inductance - Frequency Characteristics



Impedance - Current Characteristics

Temperature Increase Characteristic

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