

LQH3NPN680MMEL

“#” indicates a package specification code.

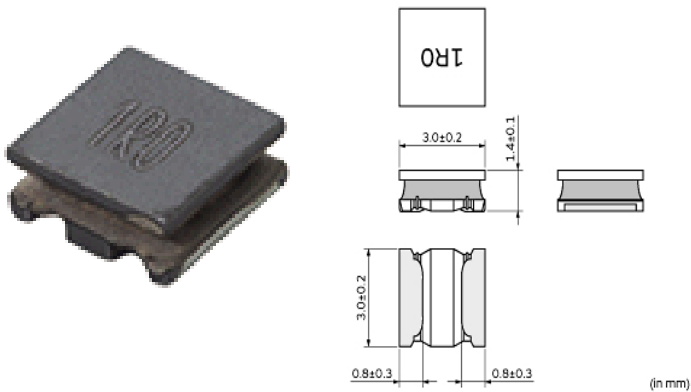
Size Code 3030 (1212) in mm (in inch), 1.5mm max. Thickness. high performance type.



< List of part numbers with package codes >

LQH3NPN680MMEB LQH3NPN680MMEL LQH3NPN680MMEK

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
L	180Embossed Tape	2000
K	330Embossed Tape	8000

Mass (typ.)	
1 piece	0.051g

Notices

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

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.

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Specifications

L size	3.0±0.2mm
W size	3.0±0.2mm
T size	1.4±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	68μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	310mA
Rated current (Itemp) (Based on Temperature rise)	470mA(Ambient temp.85°C) 300mA(Ambient temp.105°C)
Max. of DC resistance	1.38Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	5MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
DC Resistance Intermediate Values	1.15Ω±20%
Series	LQH3NPN_ME

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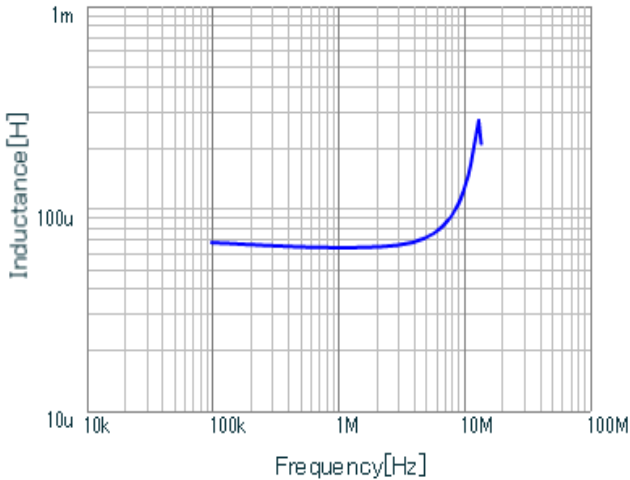
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LQH3NPN680MME

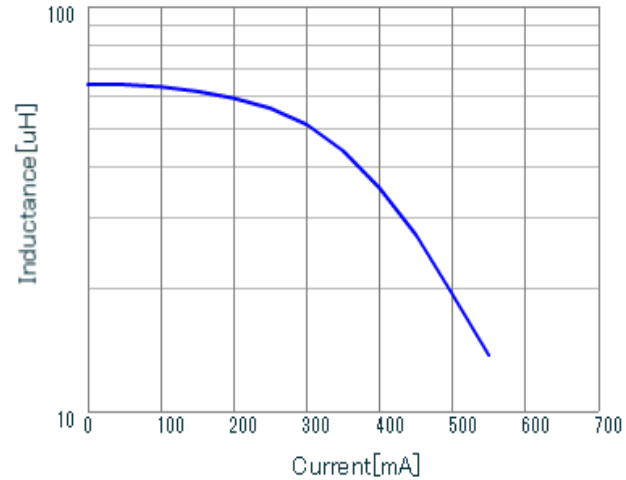
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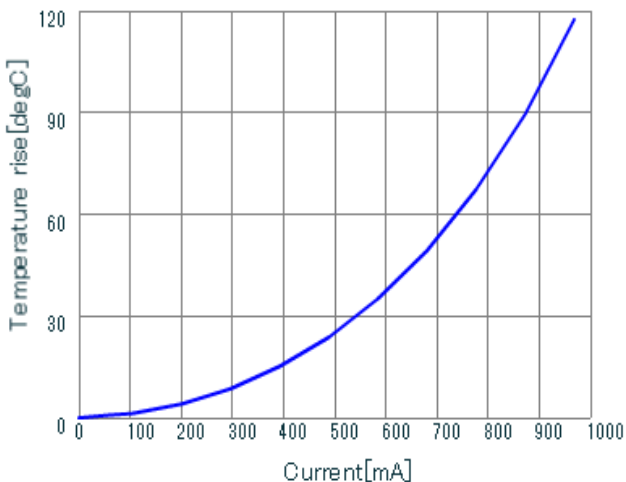
Characteristic Data



Inductance - Frequency Characteristics



Inductance - Current Characteristics



Temperature Increase Characteristic

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