

LQH3NPH101MME#

Note: This datasheet may be out of date

Please download the latest datasheet of LQH3NPH101MME# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQH3NPH101MME%23

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



















< List of part numbers with package codes > LQH3NPH101MMEL



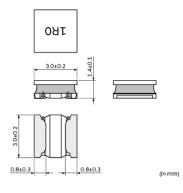
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment, Automotive	
	infotainment/comfort equipment,	
	Automotive powertrain/safety equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial 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	Automotive powertrain/safety equipment	
Applications		



Appearance & Shape







Notices

When rated current is applied to the products, inductance will be within ±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).



References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.051g

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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±0.2mm
W size	3.0±0.2mm
T size	1.4±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	100µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	260mA(Max.) / 310mA(Typ.)
Rated current (Itemp) (Based on Temperature rise)	Ambient temp.85°C 430mA (Max.) 520mA(Typ.)Ambient temp.105°C 270mA(Max.)
Max. of DC resistance	1.908Ω
DC resistance	1.59Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	3MHz
Brand	Murata
Series	LQH3NPH_ME

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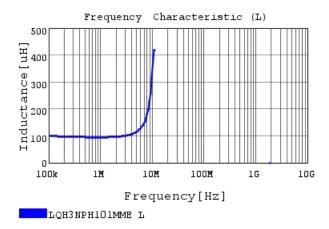
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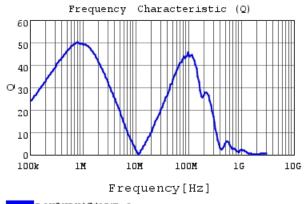
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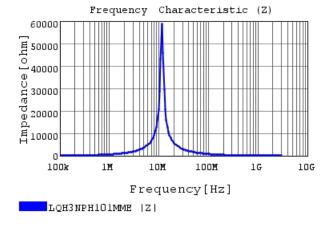
Characteristic Data

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





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