

Note: This datasheet may be out of date

Please download the latest datasheet of LQH5BPN220MT0# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQH5BPN220MT0%23

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

Size Code 5050 (2020) in mm (in inch), 2.2mm max. Thickness













< List of part numbers with package codes > LQH5BPN220MT0K LQH5BPN220MT0L

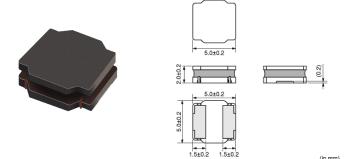


## **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	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	Company of a service manager	
Applications	Consumer equipment	



## Appearance & Shape





## **Notices**

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

1 of 5

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2. This datasheet has only typical specifications because there is no space for detailed specifications.





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## References

Packaging	Specifications	Standard Packing Quantity
К	330Embossed Tape	3000
L	180Embossed Tape	500

Mass (typ.)		
1	piece	0.22g

2 of 5

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# **Specifications**

L size	5.0±0.2mm
W size	5.0±0.2mm
T size	2.0±0.2mm
Size code inch (mm)	2020 (5050)
Inductance	22µH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	1.4A
Rated current (Itemp) (Based on Temperature rise)	1.05A
Max. of DC resistance	0.3108Ω
DC resistance	0.259Ω±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 85°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	15MHz
Brand	Murata
Series	LQH5BPN_T0

3 of 5

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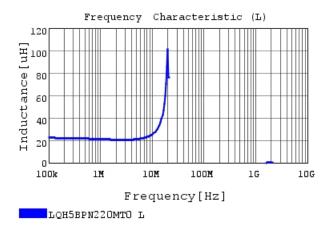
Manufacturing Co., Ltd.

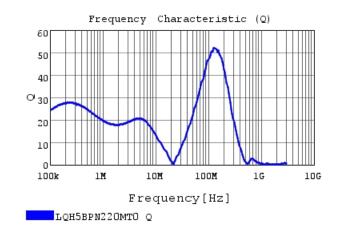


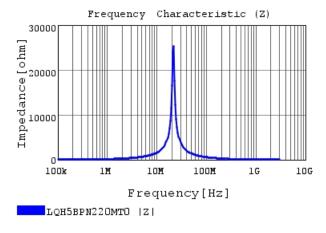


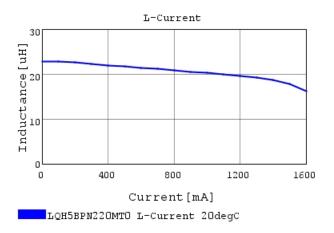
### Characteristic Data

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









4 of 5

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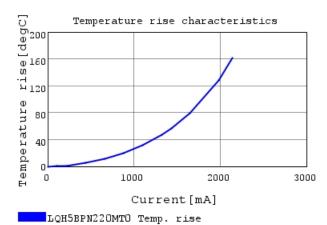


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5 of 5

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