

LQM18DN100M70#

“#” at the end indicates the package specification code.

Bias Current Characteristics Improved



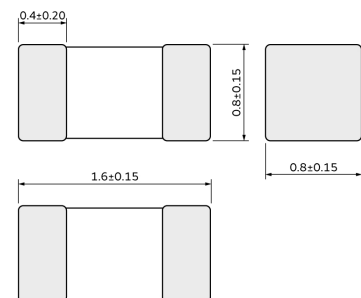
< List of part numbers with package codes >

LQM18DN100M70B LQM18DN100M70L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer 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 Product.
Recommended Applications	Consumer equipment

Appearance & Shape



(in mm)

References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
L	180Embossed Tape	4000

Mass (typ.)	
1 piece	0.005g

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.

LQM18DN100M70#

“#” at the end indicates the package specification code.



Specifications

L size	1.6±0.15mm
W size	0.8±0.15mm
T size	0.8±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	10μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	100mA
Rated current (Itemp) (Based on Temperature rise)	300mA
Max. of DC resistance	1.365Ω
DC resistance	1.05Ω±0.315Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	32MHz
Brand	Murata
Operating Temperature Range	-55°C to 125°C
Series	LQM18DN_70

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.

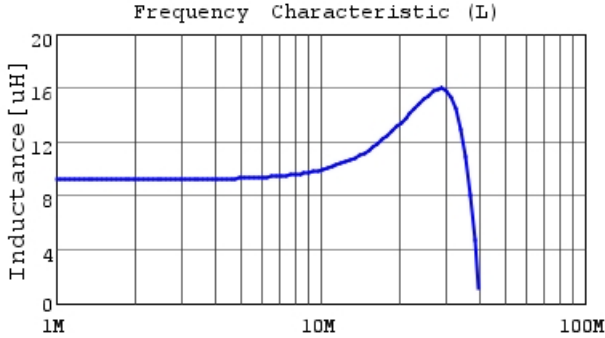
LQM18DN100M70#

“#” at the end indicates the package specification code.

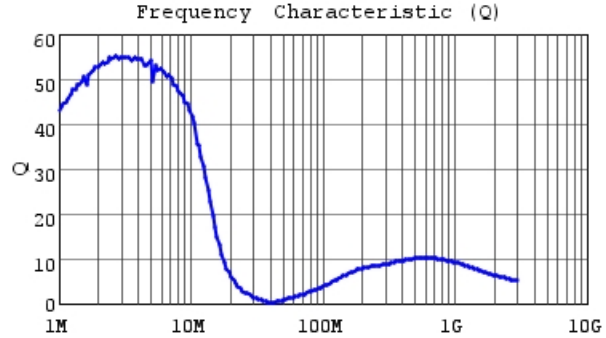


Characteristic Data

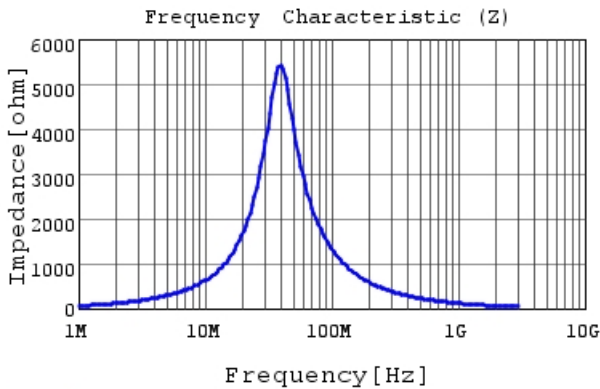
The charts below may show another part number which shares its characteristics.



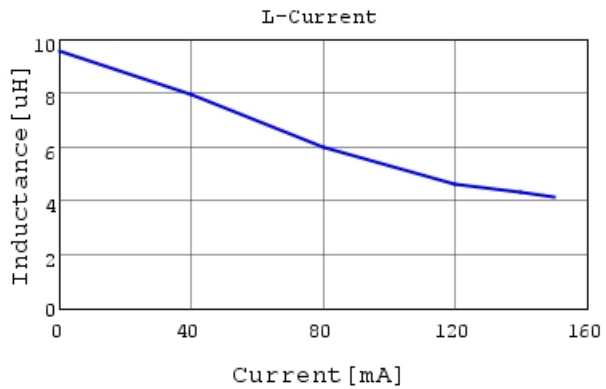
LQM18DN100M70 L



LQM18DN100M70 Q



LQM18DN100M70 |Z|



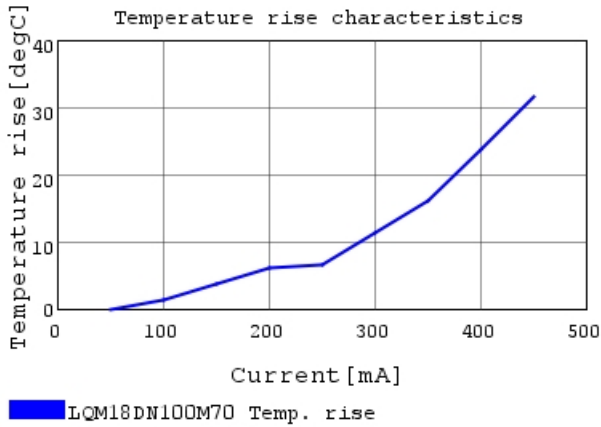
LQM18DN100M70 L-Current 20degC

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.

LQM18DN100M70#

“#” at the end indicates the package specification code.



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.