

LQM21NN1R8K10#

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

Size Code 2012 (0805) in mm (in inch)

To be discontinued

RoHS

REACH

85 °C max.

Multi-layer

Reflow OK

Flow OK


< List of part numbers with package codes >

LQM21NN1R8K10B LQM21NN1R8K10D LQM21NN1R8K10J

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Medical equipment [GHTE A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment</p> <p>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.</p>
Recommended Applications	Consumer equipment

Appearance & Shape



0.5±0.3

t

2.0±0.2

1.25±0.2

(in mm)

Dimension of t	Inductance: 0.1 to 2.2μH	0.85±0.2
	Inductance: 2.7 to 4.7μH	1.25±0.2

Attention

- 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.
- 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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References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

Mass (typ.)	
1 piece	0.01g

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Specifications

L size	2.0±0.2mm
W size	1.25±0.2mm
T size	0.85±0.2mm
Size code inch (mm)	0805 (2012)
Inductance	1.8μH±10%
Inductance Test Frequency	10MHz
Rated current (Isat) (Based on Inductance change)	50mA
Rated current (Itemp) (Based on Temperature rise)	50mA
Max. of DC resistance	0.57Ω
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Shielded (Ferrite Core)
Q(min.)	45
Q Test Frequency	10MHz
Self resonance frequency (min.)	80MHz
Brand	Murata
Series	LQM21NN_10

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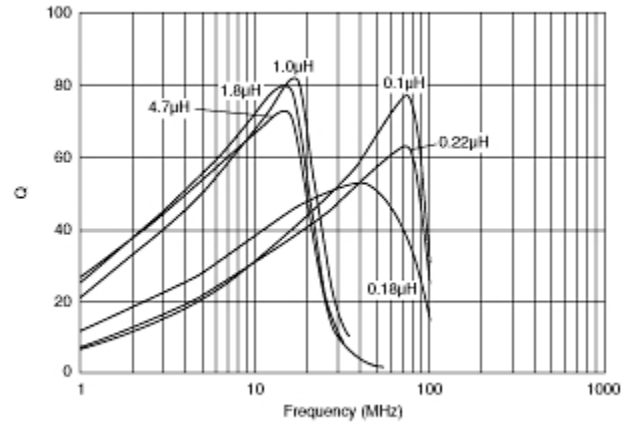
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Characteristic Data



Impedance - Current Characteristics



Q-Frequency Characteristics

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