

LQM21PH3R3XGEL80

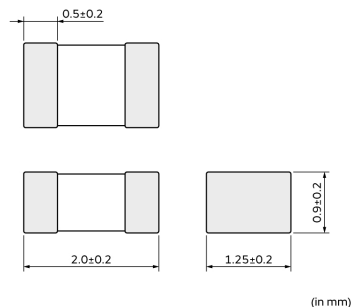
Narrow deviation



Applications

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

Appearance & Shape



Notices

The inductance tolerance within the same lot is guaranteed to be $\pm 8\%$ of the center value.

References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.012g

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.

LQM21PH3R3XGEL80



Specifications

L size	2.0±0.2mm
W size	1.25±0.2mm
T size	0.9±0.2mm
Size code inch (mm)	0805 (2012)
Inductance	3.3μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	530mA(Max.) / 670mA(Typ.)
Rated current (Itemp) (Based on Temperature rise)	740mA(Ambient temp.85°C) 460mA(Ambient temp.125°C) 10mA(Ambient temp.150°C)
Max. of DC resistance	0.46Ω
DC resistance	0.37Ω(Typ.)
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	70MHz
Brand	Murata
Operating Temperature Range	-55°C to 150°C
Series	LQM21PH_GE

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.

LQM21PH3R3XGEL80

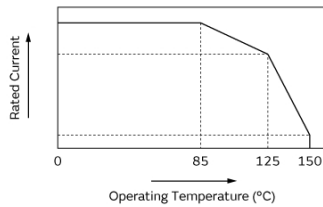


Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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.

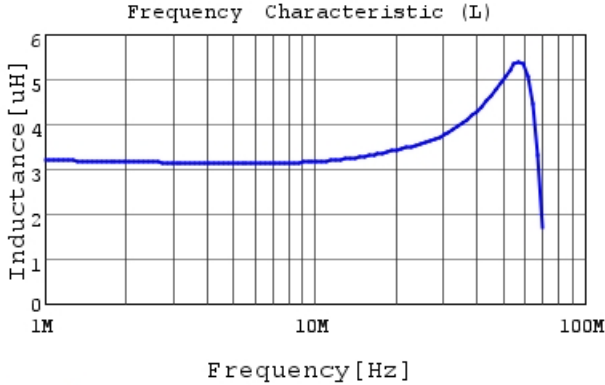
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

LQM21PH3R3XGEL80

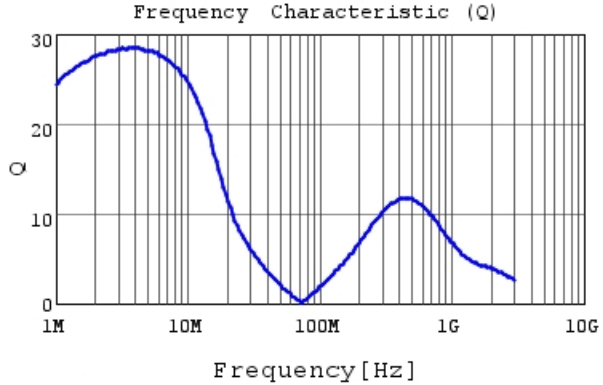


Characteristic Data

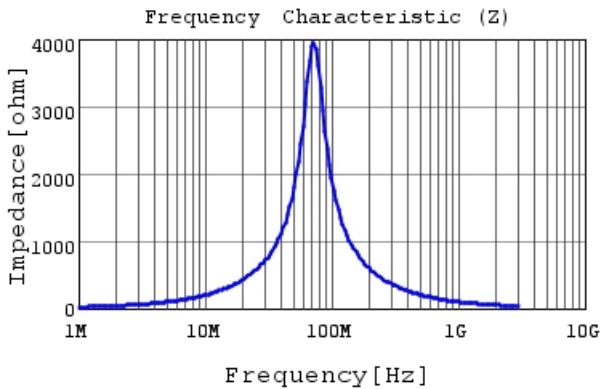
The charts below may show another part number which shares its characteristics.



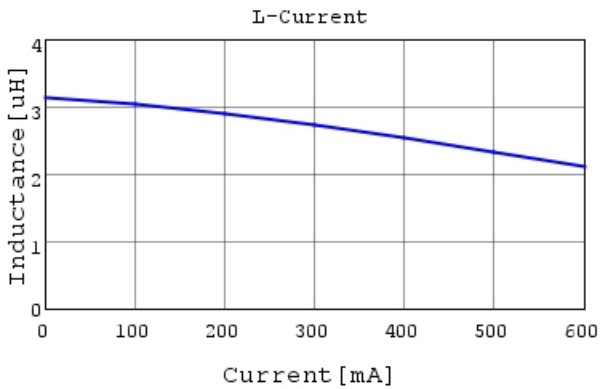
LQM21PH3R3XGEL80 L



LQM21PH3R3XGEL80 Q



LQM21PH3R3XGEL80 |Z|

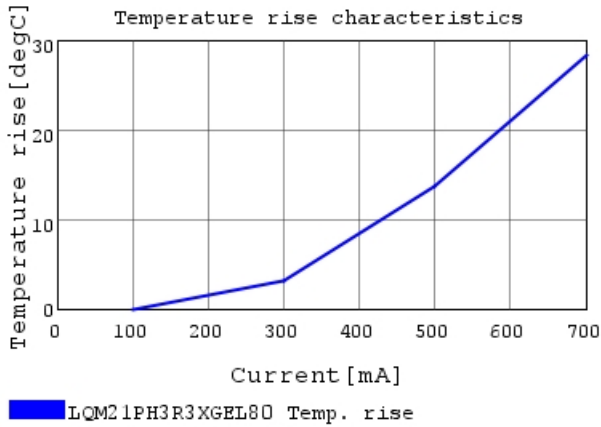


LQM21PH3R3XGEL80 L-Current 20degC

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.

LQM21PH3R3XGEL80



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.