

# LQM21DH470M70#

"#" indicates a package specification code.

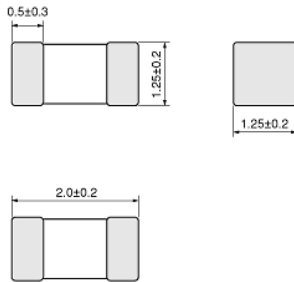
## Bias Current Characteristics Improved



< List of part numbers with package codes >

LQM21DH470M70L LQM21DH470M70B

## Appearance & Shape



(in mm)

## References

Packaging	Specifications	Minimum Order Quantity
L	180Embossed Tape	3000
B	Bulk(Bag)	1000

Mass (typ.)	
1 piece	0.016g

## Notices

Please consider 'Notice (Rating).' When rated current is applied to the products, inductance will be within  $\pm 30\%$  of initial inductance value range. When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to  $40^{\circ}\text{C}$  max.

### 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.
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## Specifications

L size	2.0±0.2mm
W size	1.25±0.2mm
T size	1.25±0.2mm
Size code inch (mm)	0805 (2012)
Inductance	47μH±20%
Inductance Test Frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	50mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	200mA(Ambient temp.125°C)10mA(Ambient temp.150°C)
Max. of DC resistance	2.99Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	12MHz
Operating Temperature Range	-55°C to 150°C
Series	LQM21DH_70

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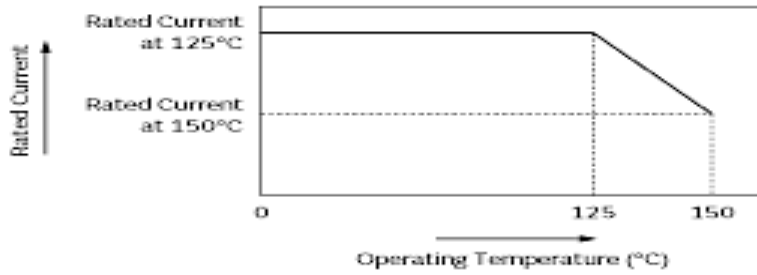
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## Notice For General

In operating temperatures exceeding +125°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



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