muRata Inductor Data Sheet

LQM31PN1R0MC0# "#" indicates a package specification code.

| Discontinued | General | 125 ℃max. | Multi-layer | Reflow OK | Flow OK | RoHS | REACH |

Last Time Buy Date: 30 Sep 2017   Date of discontinuation: 31 Mar 2018

< List of part numbers with package codes >
LQM31PN1R0MC0L , LQM31PN1R0MC0B

Shape

(in mm)

L size	3.2 ±0.2mm
W size	1.6 ±0.2mm
T size	0.5 ±0.05mm
Size code in inch (mm)	1206 (3216)
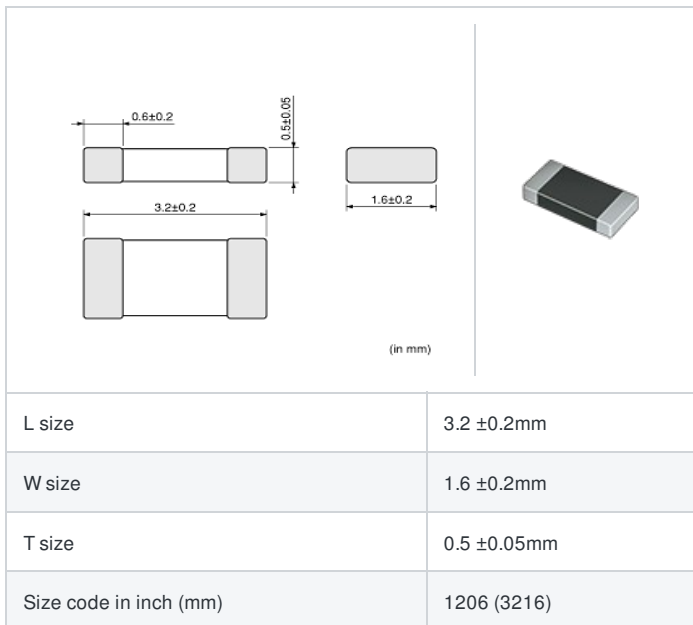
References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	4000
B	Packing in bulk	1000

| Mass (Typ.)	
1 piece	0.021g

Specifications

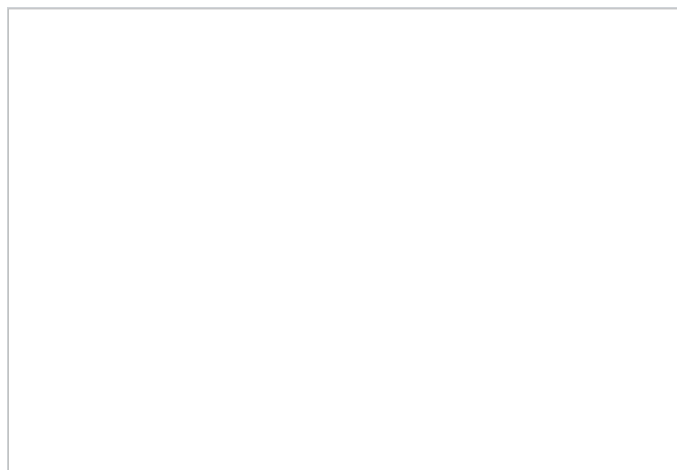| Inductance	1.0µH ±20%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	1100mA
Max. of DC resistance	0.175Ω
Avg. of DC resistance	0.14Ω ±25%
Self resonance frequency (min.)	70MHz
Operating temperature range	-55℃ to 125℃
Class of magnetic shield	Ferrite Core
Series	LQM31PN_C0

⚠ 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.

muRata Murata Manufacturing Co., Ltd.   URL : https://www.murata.com/

Last updated: 2018/12/09

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)
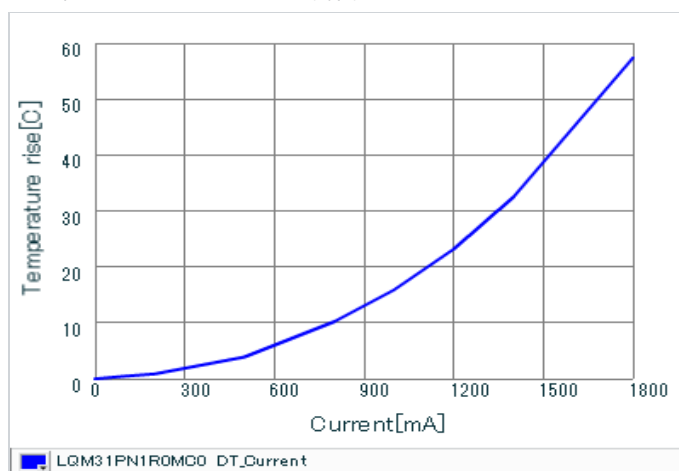
Inductance-Frequency characteristics (Typ.)

LQM31PN1R0MC0 L
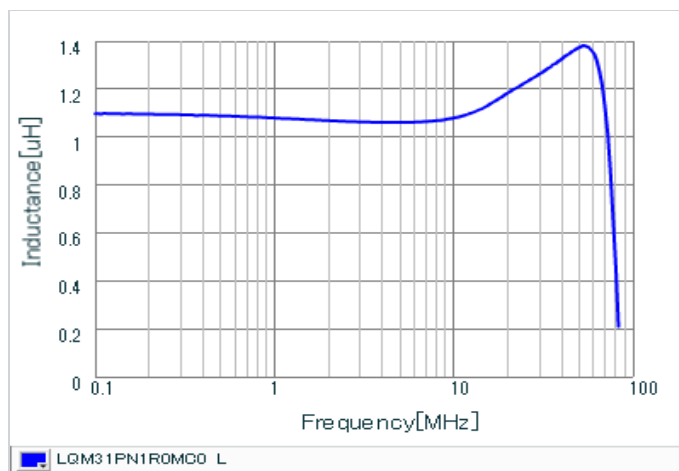
Inductance-Current characteristics (Typ.)

Temperature rise characteristics (Typ.)

LQM31PN1R0MC0 DT_Current

⚠ **Attention**

muRata Murata Manufacturing Co., Ltd.

Last updated: 2018/12/09