Inductor Data Sheet

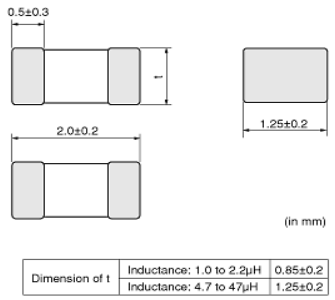
LQM21FN4R7N00#

"#" indicates a package specification code.

In Production | General | 85 °C max. | Multi-layer | Reflow OK | Flow OK | RoHS | REACH

< List of part numbers with package codes >
LQM21FN4R7N00L , LQM21FN4R7N00K , LQM21FN4R7N00B

Shape



Dimension of t		
	Inductance: 1.0 to 2.2μH	0.85±0.2
	Inductance: 4.7 to 47μH	1.25±0.2

L size	2.0 ±0.2mm
W size	1.25 ±0.2mm
T size	1.25 ±0.2mm
Size code in inch (mm)	0805 (2012)

References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	3000
K	φ330mm Embossed taping	10000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.016g

Specifications

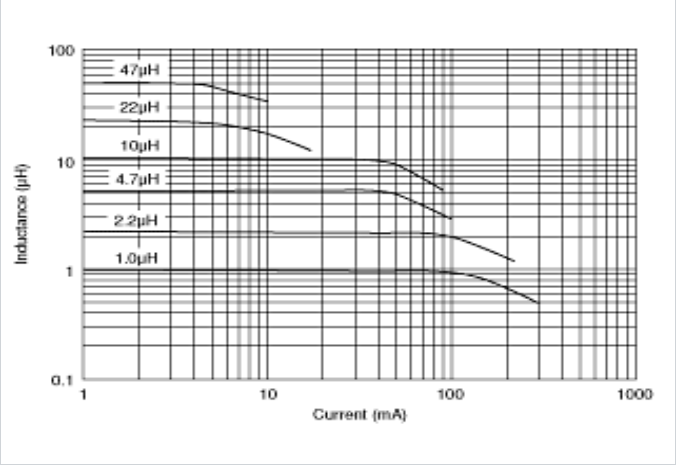
Inductance	4.7μH ±30%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	80mA
Max. of DC resistance	0.39Ω
Avg. of DC resistance	0.30Ω ±30%
Self resonance frequency (min.)	25MHz
Operating temperature range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM21FN_00

Attention

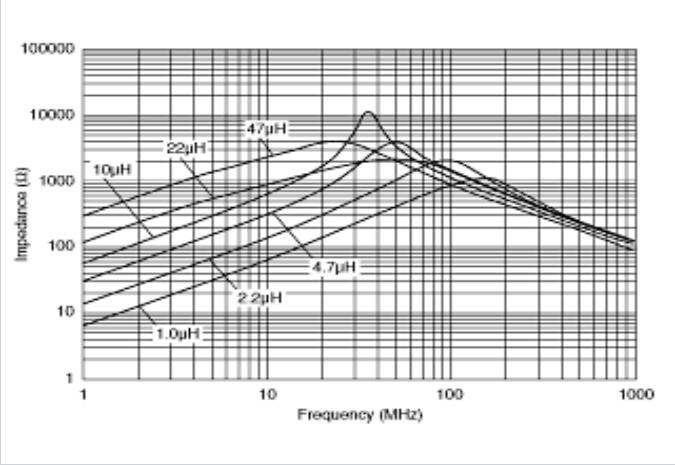
1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2.This datasheet has 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.

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

- Inductance-Current characteristics (Typ.)



- Impedance-Frequency characteristics (Typ.)



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.