

LQM21NN4R7K10#

“ # ” indicates a package specification code.

Recommended

General

Multi-layer

Thickness
1.45mm
max.

E-12
Step

Reflow
OK

Flow OK

RoHS

< List of part numbers with package codes >
LQM21NN4R7K10L , LQM21NN4R7K10K , LQM21NN4R7K10B

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



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

References

Packaging code	Specifications	Minimum quantity
L	Embossed tape (180mm)	3000
K	Embossed tape (330mm)	10000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.014g

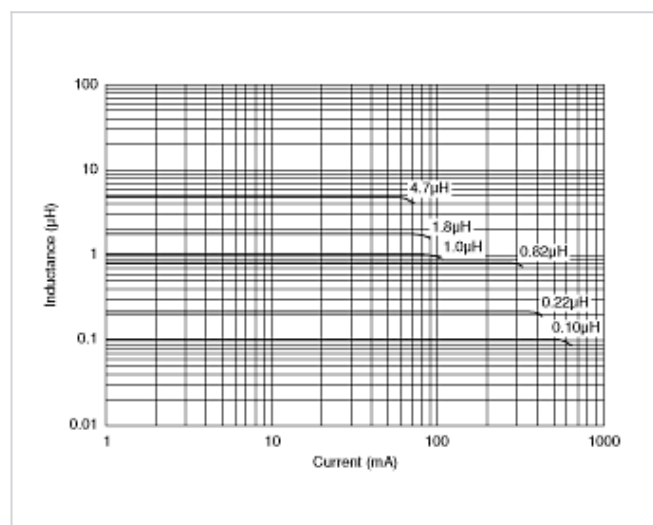
Specifications

Inductance	4.7μH ± 10%
Inductance test frequency	10MHz
Rated current (Isat) (Based on Inductance change)	30mA
Rated current (Itemp) (Based on Temperature rise)	30mA
Max. of DC resistance	1.00
Q (min.)	45
Q test frequency	10MHz
Self resonance frequency (min.)	47MHz
Operating temperature range (Self-temperature rise is not included)	-40 ~ +85
Class of magnetic shield	Magnetic shield of ferrite

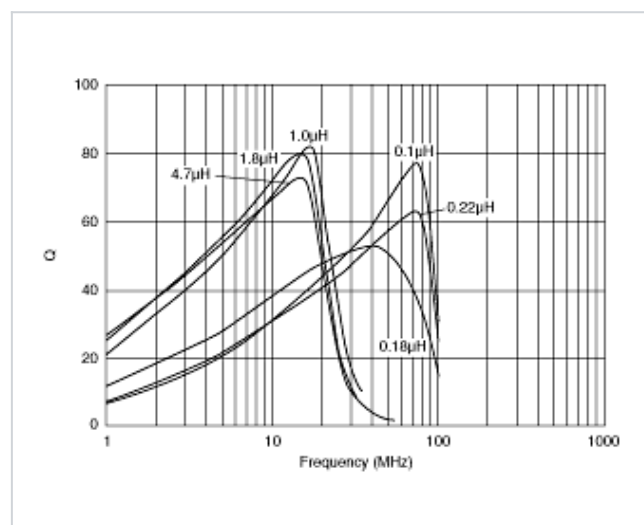
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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■ Inductance-Current characteristics (Typ.)



■ Q-Frequency characteristics (Typ.)



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