

# muRata Inductor Data Sheet

## LQM21NN3R3K10#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQM21NN3R3K10L , LQM21NN3R3K10K , LQM21NN3R3K10B

### Shape

(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 in inch (mm)	0805 (2012)

### References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000
K	φ 330mm Embossed taping	10000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.014g

### Specifications

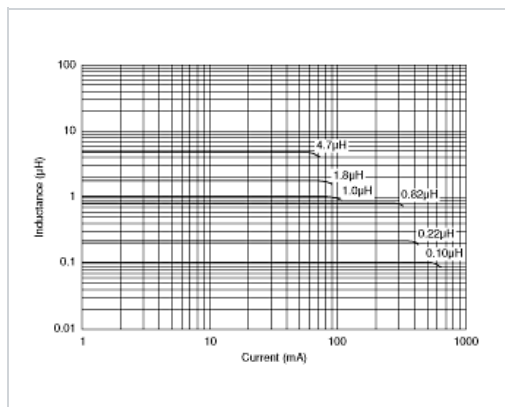
Inductance	3.3μH ±10%
Inductance test frequency	10MHz
Rated current (Isat) (Based on Inductance change)	30mA
Rated current (Itemp) (Based on Temperature rise)	30mA
Max. of DC resistance	0.80Ω
Q (min.)	45
Q test frequency	10MHz
Self resonance frequency (min.)	59MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic shield of ferrite

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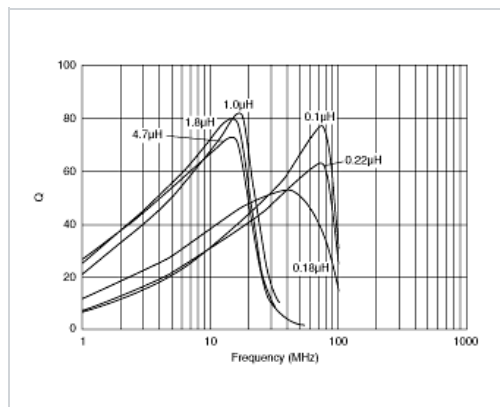
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" Inductance-Current characteristics (Typ.)



" Q-Frequency characteristics (Typ.)



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