

muRata Inductor Data Sheet

LQM21NN1R5K10#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQM21NN1R5K10D , LQM21NN1R5K10J , LQM21NN1R5K10B

Shape

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	0.85 ±0.2mm
Size code in inch (mm)	0805 (2012)

References

Packaging code	Specifications	Minimum quantity
D	φ 180mm Paper taping	4000
J	φ 330mm Paper taping	10000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.010g

Specifications

Inductance	1.5μH ±10%
Inductance test frequency	10MHz
Rated current (Isat) (Based on Inductance change)	50mA
Rated current (Itemp) (Based on Temperature rise)	50mA
Max. of DC resistance	0.50Ω
Q (min.)	45
Q test frequency	10MHz
Self resonance frequency (min.)	87MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Ferrite Core

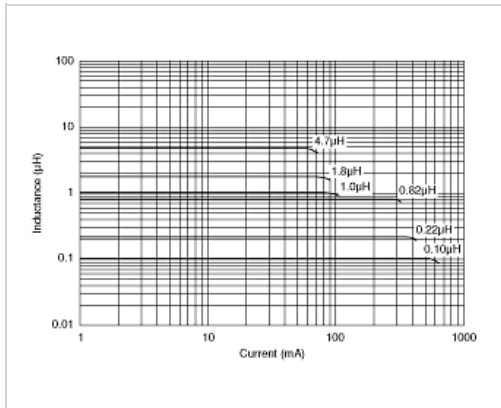
1 of 2

⚠ Attention

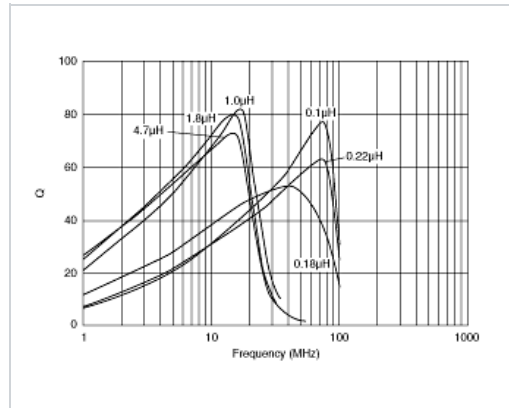
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Current characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



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