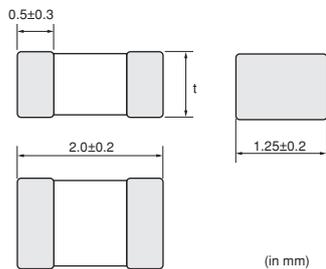


LQM21DN_00 Series 0805/2012 (inch/mm)



■ Dimensions



Dimension of t	Inductance: 1.0 to 10 μ H	0.85 \pm 0.2
	Inductance: 22 to 47 μ H	1.25 \pm 0.2

■ Packaging

Code	Packaging	Minimum Quantity
D	ø180mm Paper Taping	4000
L	ø180mm Embossed Taping	3000
J	ø330mm Paper Taping	10000
K	ø330mm Embossed Taping	10000
B	Packing in Bulk	1000

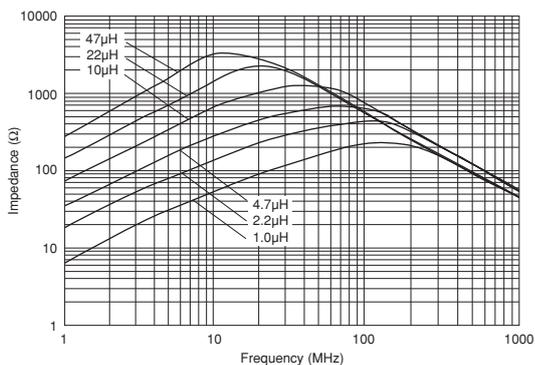
■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current (Based on Inductance Change)	Rated Current (Based on Temperature Rise)	Max. of DC Resistance	Self-Resonance Frequency (min.)
LQM21DN1R0N00□	1.0 μ H \pm 30%	1MHz	60mA	60mA	0.10 Ω	75MHz
LQM21DN2R2N00□	2.2 μ H \pm 30%	1MHz	40mA	40mA	0.17 Ω	50MHz
LQM21DN4R7N00□	4.7 μ H \pm 30%	1MHz	30mA	30mA	0.30 Ω	35MHz
LQM21DN100N00□	10 μ H \pm 30%	1MHz	15mA	15mA	0.50 Ω	24MHz
LQM21DN220N00□	22 μ H \pm 30%	1MHz	13mA	13mA	0.65 Ω	16MHz
LQM21DN470N00□	47 μ H \pm 30%	1MHz	7.0mA	7.0mA	1.20 Ω	7.5MHz

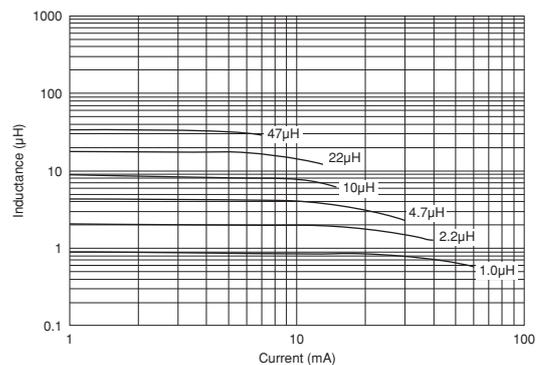
Class of Magnetic Shield: Magnetic shield of ferrite

Operating Temperature Range (Self-temperature rise is not included): -40~85°C

■ Impedance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



Continued on the following page.

● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

- 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.
- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

 Continued from the preceding page.

■ Caution/Notice

Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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