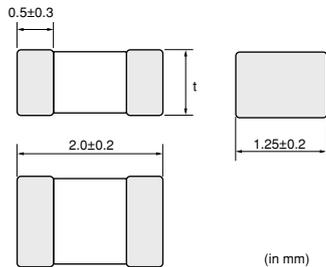


# Chip Inductor (Chip Coil) Power Inductor (Multilayer Type for Choke)

## LQM21D Series (0805 Size)

### ■ Dimensions



Dimension of t	Inductance: 1.0 to 10 $\mu$ H	0.85 $\pm$ 0.2
		Inductance: 22 to 47 $\mu$ H

### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000 *1
L	180mm Embossed Tape	3000 *2
J	330mm Paper Tape	10000 *1
K	330mm Embossed Tape	10000 *2
B	Bulk(Bag)	1000

\*1: only LQM21D (1.0 to 10 $\mu$ H)\*2: only LQM21D (22 to 47 $\mu$ H)

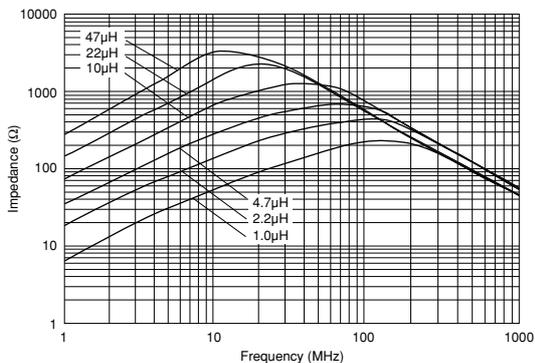
### ■ Rated Value (□: packaging code)

Part Number	Inductance	Test Frequency	Rated Current	Max. of DC Resistance	Self Resonance Frequency (min.)
LQM21DN1R0N00□	1.0 $\mu$ H $\pm$ 30%	1MHz	60mA	0.10ohm	75MHz
LQM21DN2R2N00□	2.2 $\mu$ H $\pm$ 30%	1MHz	40mA	0.17ohm	50MHz
LQM21DN4R7N00□	4.7 $\mu$ H $\pm$ 30%	1MHz	30mA	0.30ohm	35MHz
LQM21DN100N00□	10 $\mu$ H $\pm$ 30%	1MHz	15mA	0.50ohm	24MHz
LQM21DN220N00□	22 $\mu$ H $\pm$ 30%	1MHz	13mA	0.65ohm	16MHz
LQM21DN470N00□	47 $\mu$ H $\pm$ 30%	1MHz	7mA	1.20ohm	7.5MHz

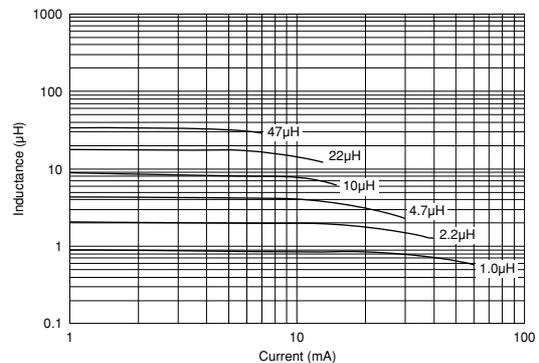
Class of Magnetic Shield: Magnetic shield of ferrite

Operating Temperature Range (Self-temperature rise is not included): -40 to +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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