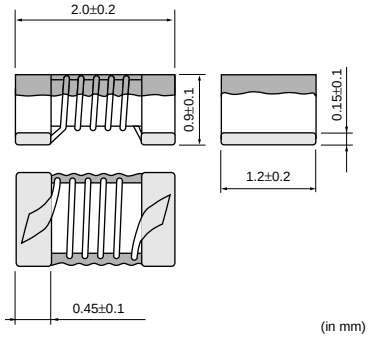
Chip Inductor (Chip Coil) for High Frequency Horizontal Wire Wound Ferrite Type

LQW21H_00 Series (0805 Size)

■ Dimensions



(in mm)

■ Packaging

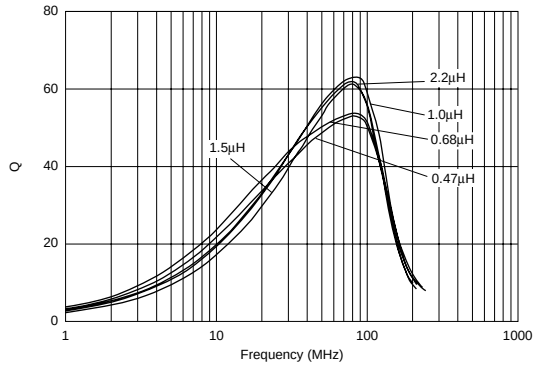
Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	3000
B	Bulk(Bag)	500

■ Rated Value (☐: packaging code)

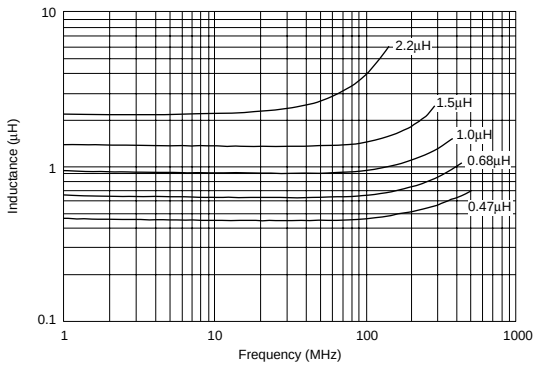
Part Number	Inductance	Test Frequency	Rated Current	Max. of DC resistance	Q (min.)	Test Frequency	Self Resonance Frequency (min.)
LQW21HNR47J00☐	0.47µH±5%	10MHz	160mA	1.30ohm	35	100MHz	620MHz
LQW21HNR56J00☐	0.56µH±5%	10MHz	150mA	1.43ohm	35	100MHz	580MHz
LQW21HNR68J00☐	0.68µH±5%	10MHz	130mA	2.21ohm	35	100MHz	520MHz
LQW21HNR82J00☐	0.82µH±5%	10MHz	125mA	2.34ohm	35	100MHz	480MHz
LQW21HN1R0J00☐	1.0µH±5%	10MHz	115mA	2.86ohm	35	100MHz	450MHz
LQW21HN1R2J00☐	1.2µH±5%	10MHz	100mA	3.12ohm	35	100MHz	400MHz
LQW21HN1R5J00☐	1.5µH±5%	10MHz	85mA	5.33ohm	35	100MHz	350MHz
LQW21HN1R8J00☐	1.8µH±5%	10MHz	80mA	5.85ohm	35	100MHz	320MHz
LQW21HN2R2J00☐	2.2µH±5%	10MHz	75mA	6.50ohm	35	100MHz	300MHz

Operating Temperature Range: -40°C to +85°C
Only for reflow soldering.

■ Q-Frequency Characteristics (Typ.)



■ Inductance-Frequency 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:**

1. 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.
2. 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.

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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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