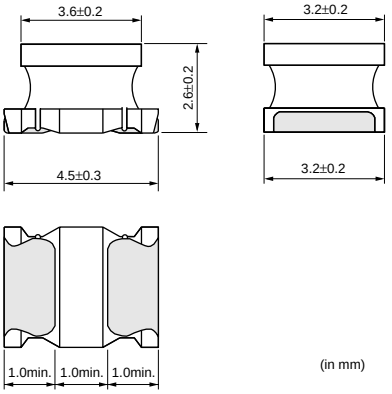
Chip Inductor (Chip Coil) Power Inductor (Wire Wound Type for Choke)

LQH43C_33 Series (1812 Size)

■ Dimensions



(in mm)

■ Packaging

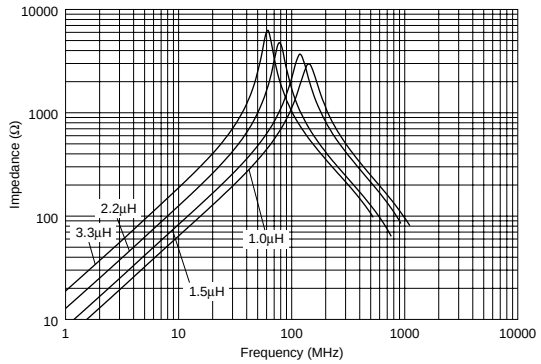
Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	500

■ Rated Value (☐: packaging code)

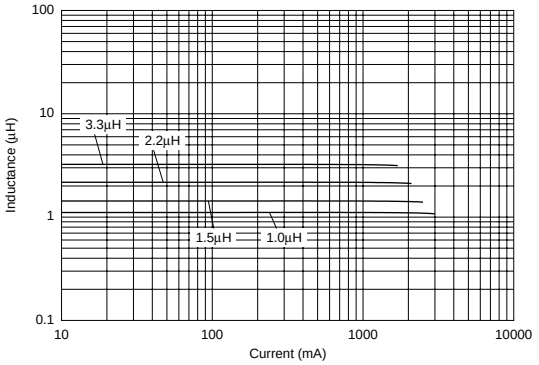
Part Number	Inductance	Test Frequency	Rated Current	DC Resistance	Self Resonance Frequency (min.)
LQH43CNR56M33☐	0.56µH±20%	1MHz	2950mA	0.023ohm±30%	160MHz
LQH43CNR82M33☐	0.82µH±20%	1MHz	2800mA	0.027ohm±30%	130MHz
LQH43CN1R0M33☐	1.0µH±20%	1MHz	2600mA	0.032ohm±30%	110MHz
LQH43CN1R5M33☐	1.5µH±20%	1MHz	2450mA	0.036ohm±30%	80MHz
LQH43CN1R8M33☐	1.8µH±20%	1MHz	2300mA	0.042ohm±30%	70MHz
LQH43CN2R2M33☐	2.2µH±20%	1MHz	2100mA	0.047ohm±30%	60MHz
LQH43CN2R7M33☐	2.7µH±20%	1MHz	1800mA	0.053ohm±30%	50MHz
LQH43CN3R3M33☐	3.3µH±20%	1MHz	1650mA	0.076ohm±30%	47MHz
LQH43CN3R9M33☐	3.9µH±20%	1MHz	1600mA	0.082ohm±30%	40MHz

Class of Magnetic Shield: No magnetic shield
Operating Temperature Range (Product temperature: self-temperature rise is included): -
Operating Temperature Range (Ambient temperature: 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:**

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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