

# 3

## Coils/Delay Lines

**Chip Coils**

**Chip Multilayer Delay Lines**

● **Part Numbering** (The structure of the "Global Part Numbers" that will be adopted from June 2001 and the meaning of each code are described herein.)  
 If you have any questions about details, inquire at your usual Murata sales office or distributor.

**Chip Coils (SMD)**

(Global Part Number) 

LQ	H	32	M	N	331	K	2	1	L
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

① Product ID

Product ID	
LQ	Chip Coils

② Structure

Code	Structure
G	Monolithic Type (Air-core Coil)
H	Winding Type (Ferrite Core)
M	Monolithic (Ferrite Core)
P	Film Type
W	Winding Type (Air-core Coil)

③ Dimension (L×W)

Code	Dimension (L×W)
03	0.60×0.30mm
15	1.00×0.50mm
18	1.60×0.80mm
21	2.00×1.25mm
2B	2.00×1.50mm
31	3.20×1.60mm
32	3.20×2.50mm
3E	3.50×3.20mm
3K	3.30×3.30mm
43	4.50×3.20mm
55	5.70×5.00mm
66	6.30×6.30mm

④ Applications and Characteristics

Code	Series	Applications and Characteristics
H	LQG	Monolithic Air-core
N	LQM	for Resonant Circuit
D		for Choke (Low-current DC Power Supplies)
F	LQP	for Choke (DC Power Supplies)
M		Film Type
T	LQW	Film Type (Low DC Resistance Type)
A		High Q Type (UFH-SHF)
H	LQH	High Q Type (VHF-UHF)
N		for Resonant Circuit
M	LQH	for Resonant Circuit (Coating Type)
R		for Resonant Circuit (Magnetically Shielded Type)
D	LQH	for Choke
C		for Choke (Coating Type)
S	LQH	for Choke (Magnetically Shielded Type)
H		for High-frequency Resonant Circuit

⑤ Category

Code	Category
N	Standard Type

⑥ Inductance

Expressed by three figures. The unit is micro-henry (μH). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two figures. If there is a decimal point, it is expressed by capital letter "R". In this case, all figures are significant digits. If inductance is less than 0.1μH, the inductance code is expressed by combination of two figures and the letter "N", and the unit of inductance is nano-henry (nH). Capital letter "N" indicates the unit of "nH", and also expresses a decimal point. In this case, all figures are significant digits. Ex: 0.6nH = 0N6; 56nH = 56N.

⑦ Inductance Tolerance

Code	Inductance Tolerance
B	±0.1nH
C	±0.2nH
D	±0.5nH
G	±2%
H	±3%
J	±5%
K	±10%
M	±20%
N	±30%
S	±0.3nH

⑧ Features

Expressed by a figure from "0" to "2".

Ex.)

Code	Features
0	Standard Type

⑨ Electrode

Code	Electrode
0	Solder Plating
1	Sputtering
2	Sn Plating

⑩ Packaging

Code	Packaging
K	Plastic Taping (ø330mm Reel)
L	Plastic Taping (ø180mm Reel)
B	Bulk
J	Paper Taping (ø330mm Reel)
D	Paper Taping (ø180mm Reel)

## Chip Multilayer Delay Lines

(Global Part Number) **LD H 65 100P A A A -400**  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

### ① Product ID

Product ID	
LD	Chip Multilayer Devices

### ② Function

Code	Function
H	Delay Lines

### ③ Dimension (L×W)

Code	Dimension (L×W)
21	2.00×1.25mm
31	3.20×1.60mm
32	3.20×2.50mm
54	5.00×4.00mm
65	6.30×5.00mm
A2	10.0×6.3mm

### ④ Delay Time

Three figures and a capital letter express the nominal value. If the unit is "nano-second", a decimal point is expressed by the capital letter "N". If the unit is "pico-second", the letter "P".

### ⑤ Delay Time Tolerance

Code	Delay Time Tolerance
A	±0.05ns
B	±0.1ns
C	±0.2ns
K	±10%
L	±15%

### ⑥ Individual Specification Code (1)

Code	Individual Specification Code (1)
A	Standard

### ⑦ Design

Code	Design
A	An alphabet expresses identification of design type for each function.

### ⑧ Individual Specification Code (2)

A hyphen (-), figures, alphabets, express the specifications or characteristics or others.

## Chip Coils

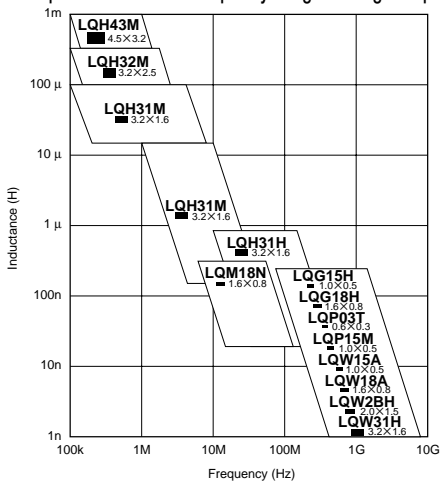
Application	Part Number	Structure	Dimensions		Inductance Range (H)											
			(mm)	EIA Code	1n	10n	100n	1μ	10μ	100μ	1m	10m				
General frequency range	LQH31M	Winding (ferrite core)	$\frac{3.2}{\blacksquare}$   1.6	1206												
	LQH32M		$\frac{3.2}{\blacksquare}$   2.5	1210												
	LQH43M(N)		$\frac{4.5}{\blacksquare}$   3.2	1812												
	LQM18N	Magnetically shielded multilayer	$\frac{1.6}{\blacksquare}$   10.8	0603												
	LQM21N		$\frac{2.0}{\blacksquare}$   11.25	0805												
Tight inductance tolerance	LQH3ER	Magnetically shielded	$\frac{3.2}{\blacksquare}$   3.5	1214												
High-frequency range	LQG15H	Multilayer	$\frac{1.0}{\blacksquare}$   0.5	0402												
	LQG18H		$\frac{1.6}{\blacksquare}$   10.8	0603												
Tight inductance tolerance	LQP03T	Film	$\frac{0.6}{\blacksquare}$   0.3	0201												
	LQP15M		$\frac{1.0}{\blacksquare}$   0.5	0402												
	LQW15A	Winding (air core)	$\frac{1.0}{\blacksquare}$   0.5	0402												
	LQW18A		$\frac{1.6}{\blacksquare}$   10.8	0603												
	LQW2BH		$\frac{2.0}{\blacksquare}$   1.5	0805												
LQW31H	$\frac{3.2}{\blacksquare}$   1.6		1206													
	LQH31H	Winding (ferrite core)	$\frac{3.2}{\blacksquare}$   1.6	1206												
Chokes	LQH31C	Winding	$\frac{3.2}{\blacksquare}$   1.6	1206												
	LQH32C		$\frac{3.2}{\blacksquare}$   2.5	1210												
	LQH43C		$\frac{4.5}{\blacksquare}$   3.2	1812												
	LQM21D	Magnetically shielded multilayer	$\frac{2.0}{\blacksquare}$   11.25	0805												
	LQM21F		$\frac{2.0}{\blacksquare}$   11.25	0805												
	LQM31F		$\frac{3.2}{\blacksquare}$   1.6	1206												
	LQH55D	Winding	$\frac{5.7}{\blacksquare}$   5.0	2220												
	LQH3KS	Magnetically shielded	$\frac{3.3}{\blacksquare}$   3.3	1212												
LQH66S	Magnetically shielded	$\frac{6.3}{\blacksquare}$   6.3	2525													

CAUTION : Use rosin-based flux, but not strong acidic flux (with chlorine content exceeding 0.2wt%) when soldering chip coil.  
Do not use water-soluble flux.

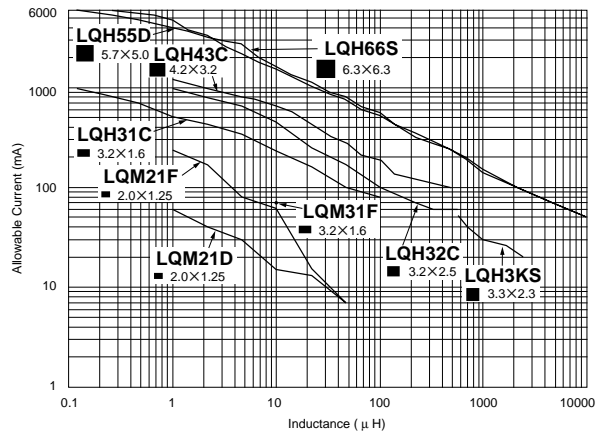
## Chip Coils

Chip Coil for General Frequency Range

### Line-up of Chip Coils for General Frequency Range and High-frequency Range



### Line-up of Chip Coils for Chokes



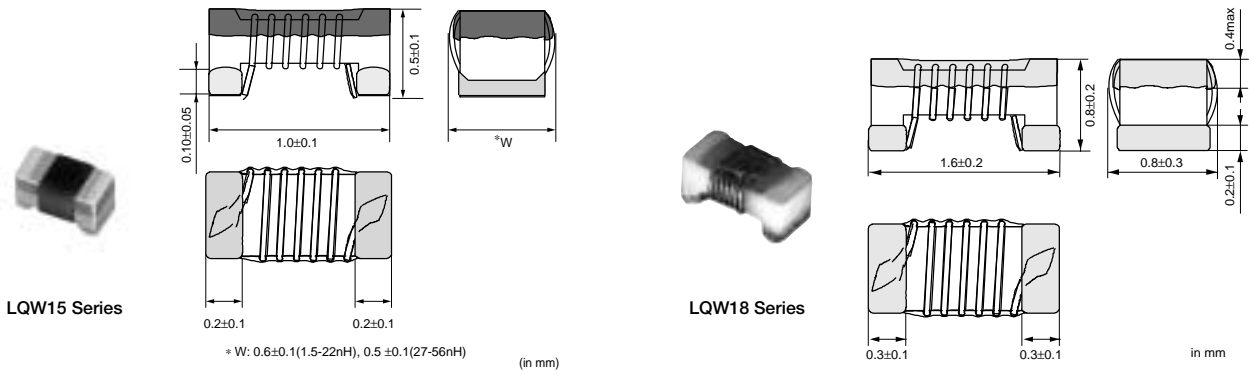
3

Coils/Delay Lines

## Chip Coils

for High-frequency Horizontal Winding

### LQW15A/LQW18A Series



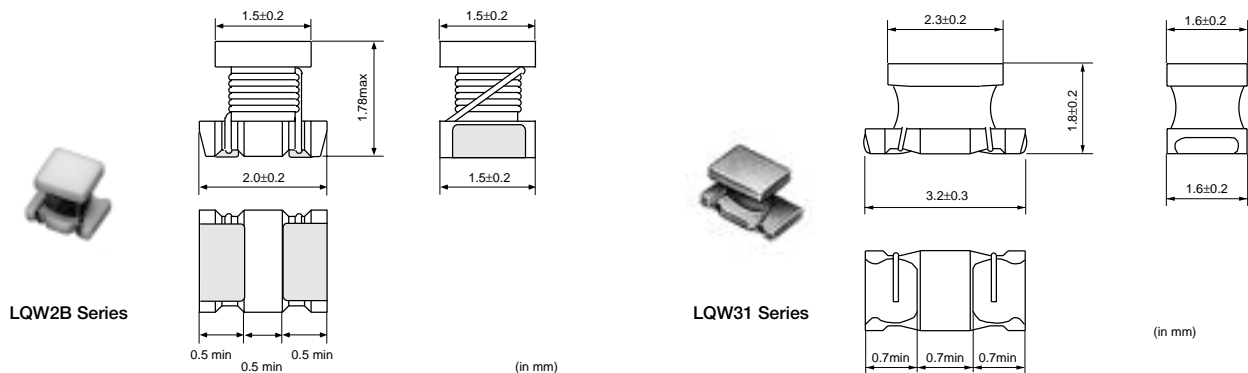
Part Number	Inductance (nH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency
LQW15AN□□□C00	1.5 to 6.2 ±0.2nH	1000	0.03	10 at 250MHz	18.0GHz min.
LQW15AN□□□D00	1.5 to 6.2 ±0.5nH	1000	0.03	10 at 250MHz	18.0GHz min.
LQW15AN□□□H00	6.8 to 56 ±3%	700	0.09	25 at 250MHz	6.0GHz min.
LQW15AN□□□J00	6.8 to 56 ±5%	700	0.09	25 at 250MHz	6.0GHz min.
LQW18AN□□□C00	3.6 to 6.2 ±0.2nH	850	0.059	25 at 250MHz	6000MHz min.
LQW18AN□□□D00	2.2 to 9.1 ±0.5nH	700	0.049	16 at 250MHz	6000MHz min.
LQW18AN□□□G00	10 to 220 ±2%	650	0.11	35 at 250MHz	6000MHz min.
LQW18AN□□□J00	10 to 220 ±5%	650	0.11	35 at 250MHz	6000MHz min.

Min. of Operating Temp. : -50°C to 125°C  
Three blank columns are filled with inductance code.

## Chip Coils

for High-frequency Vertical Winding

### ● LQW2BH/LQW31H Series



Part Number	Inductance (nH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQW2BHN□□□D11	2.7 to 3.1 ±0.5nH	1900	0.02	20 at 250MHz	6000 min.
LQW2BHN□□□D01	3.3 ±0.5nH	910	0.05	10 at 250MHz	6000 min.
LQW2BHN□□□D11	3.3 to 5.6 ±0.5nH	1700	0.02	20 at 250MHz	6000 min.
LQW2BHN□□□D01	6.8 ±0.5nH	680	0.11	20 at 250MHz	5400 min.
LQW2BHN□□□D11	6.8 ±0.5nH	1400	0.02	35 at 250MHz	5400 min.
LQW2BHN□□□D01	8.2 ±0.5nH	630	0.12	20 at 250MHz	3900 min.
LQW2BHN□□□D11	8.6 ±0.5nH	1300	0.03	35 at 250MHz	3900 min.
LQW2BHN□□□G01	33 to 220 ±2%	570	0.15	40 at 250MHz	1900 min.
LQW2BHN□□□J01	10 ±5%	1320	0.03	30 at 250MHz	3300 min.
LQW2BHN□□□J11	10 ±5%	1320	0.03	35 at 250MHz	3300 min.
LQW2BHN□□□J01	12 to 220 ±5%	680	0.11	30 at 250MHz	3200 min.
LQW2BHN□□□K11	12 to 27 ±10%	1100	0.04	40 at 250MHz	3200 min.
LQW2BHN□□□K01	33 to 470 ±10%	570	0.15	40 at 250MHz	1900 min.
LQW31HN□□□J01	8.8 to 100 ±5%	750	0.0406	50 at 436MHz	1000 min.
LQW31HN□□□K01	8.8 to 100 ±10%	750	0.0406	50 at 436MHz	1000 min.

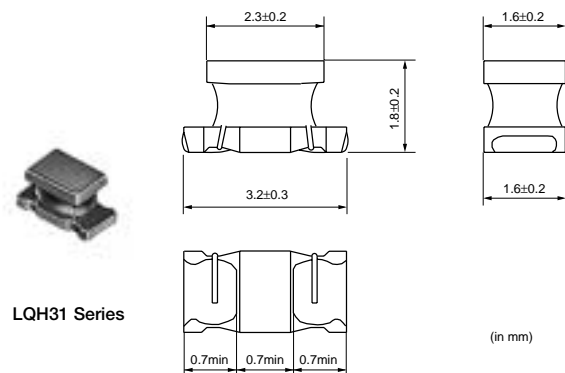
Min. of Operating Temp. : -25°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for High-frequency Winding Ferrite Type

### ● LQH31H Series



Part Number	Inductance (nH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQH31HN□□□K01	54 to 880 ±10%	920	0.0455	50 at 100MHz	800 min.

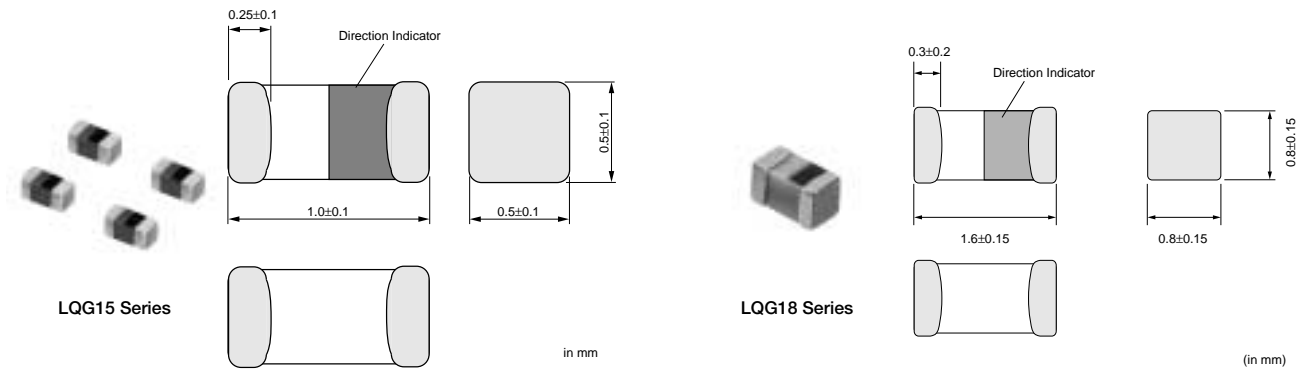
Min. of Operating Temp. : -25°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for High-frequency Monolithic Type

### ● LQG15H/LQG18H Series



Part Number	Inductance (nH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQG15HN□□□J00	6.8 to 68 ±5%	200	0.29 max	8 at 100MHz	4200 min.
LQG15HN□□□S00	1.2 to 5.6 ±0.3nH	200	0.10 max	8 at 100MHz	6000 min.
LQG18HN□□□J00	6.8 to 100 ±5%	300	0.25 max	12 at 100MHz	5000 min.
LQG18HN□□□S00	1.2 to 5.6 ±0.3nH	300	0.1 max	12 at 100MHz	6000 min.

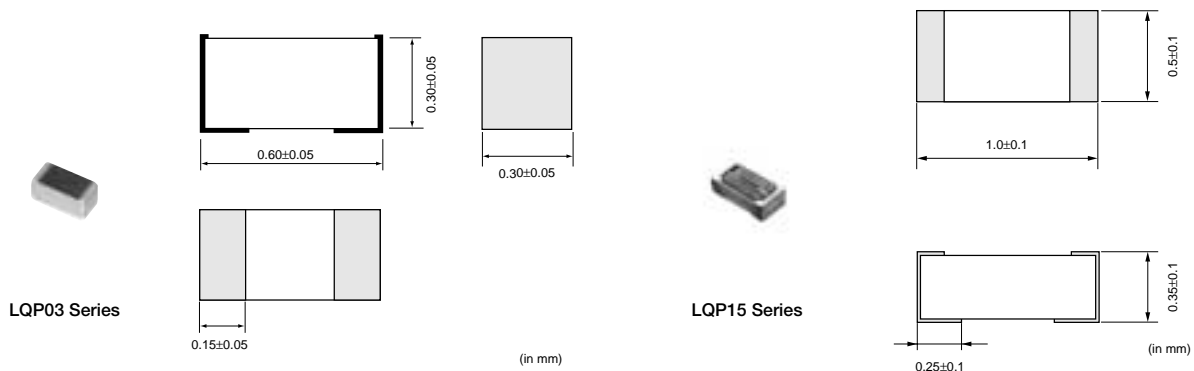
Min. of Operating Temp. : -40°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for High-Frequency Film Type

### ● LQP03T/LQP15M Series



Part Number	Inductance (nH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQP03TN□□□C00	0.6 to 3.3 ±0.2nH	420	0.08	11 at 500MHz	6000 min.
LQP03TN□□□J00	4.7 to 15 ±5%	160	0.55	11 at 500MHz	6000 min.
LQP15MN□□□B00	1.0 to 9.1 ±0.1nH	400	0.1	13 at 500MHz	6000 min.
LQP15MN□□□C00	1.0 to 9.1 ±0.2nH	400	0.1	13 at 500MHz	6000 min.
LQP15MN□□□G00	10 to 33 ±2%	100	1.3	13 at 500MHz	4500 min.

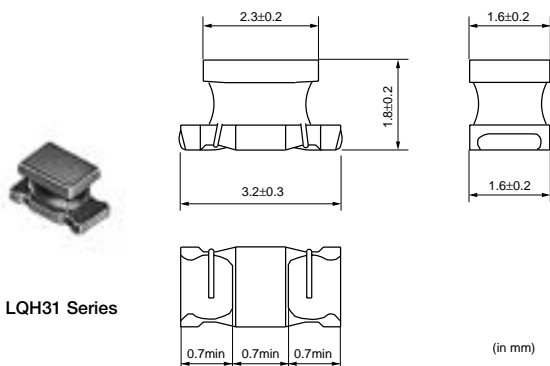
Min. of Operating Temp. : -40°C to +85°C

Three blank columns are filled with inductance code.

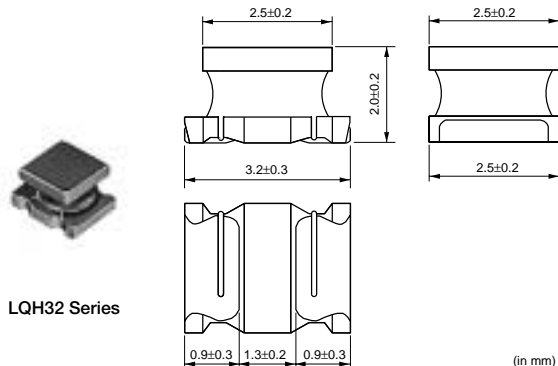
# Chip Coils

for General Use Winding Type

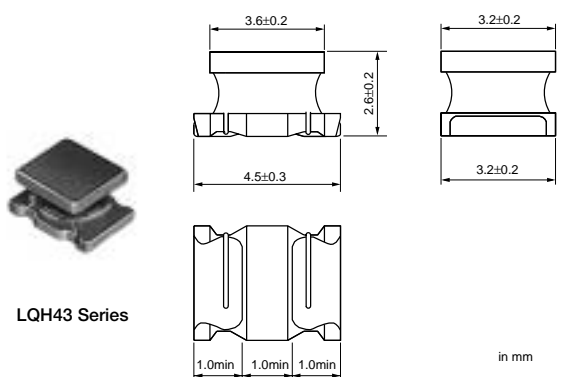
● LQH31M/LQH32M/LQH43M(N) Series



LQH31 Series



LQH32 Series



LQH43 Series

Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQH31MN□□□J01	1.5 to 100 ±5%	155	1.3	35 at 10MHz	75 min.
LQH31MN□□□K01	0.15 to 100 ±10%	250	0.546	20 at 25MHz	250 min.
LQH32MN□□□J21	10 to 560 ±5%	190	1.8	35 at 1MHz	20 min.
LQH32MN□□□K21	1.5 to 560 ±10%	400	0.6	20 at 1MHz	75 min.
LQH32MN□□□M21	0.1 to 1.2 ±20%	700	0.25	20 at 25.2MHz	200 min.
LQH43MN□□□J01	10 to 1500 ±5%	400	0.56	35 at 1MHz	23 min.
LQH43NN□□□J01	1800 to 2200 ±5%	35	45	40 at 0.252MHz	1.5 min.
LQH43MN□□□K01	4.7 to 1500 ±10%	500	0.4	30 at 1MHz	38 min.
LQH43NN□□□K01	1800 to 2200 ±10%	35	45	40 at 0.252MHz	1.5 min.
LQH43MN□□□M01	1 to 3.9 ±20%	500	0.2	20 at 1MHz	120 min.

Min. of Operating Temp. : -25°C to 85°C

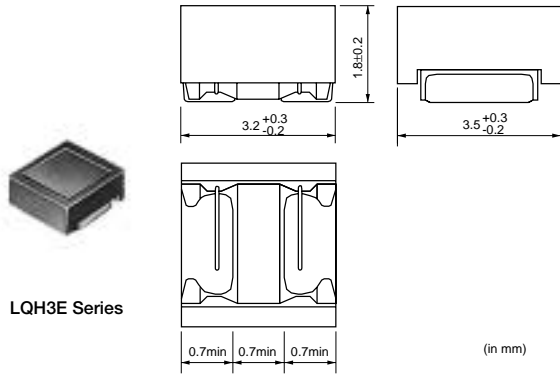
Three blank columns are filled with inductance code.



## Chip Coils

for General Use Magnetic Shielded Type

### ● LQH3ER Series



Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQH3ERN□□□G01	1 to 100 ±2%	70	0.247	60 at 7.96MHz	120 min.
LQH3ERN□□□J01	1 to 100 ±5%	70	0.247	60 at 7.96MHz	120 min.

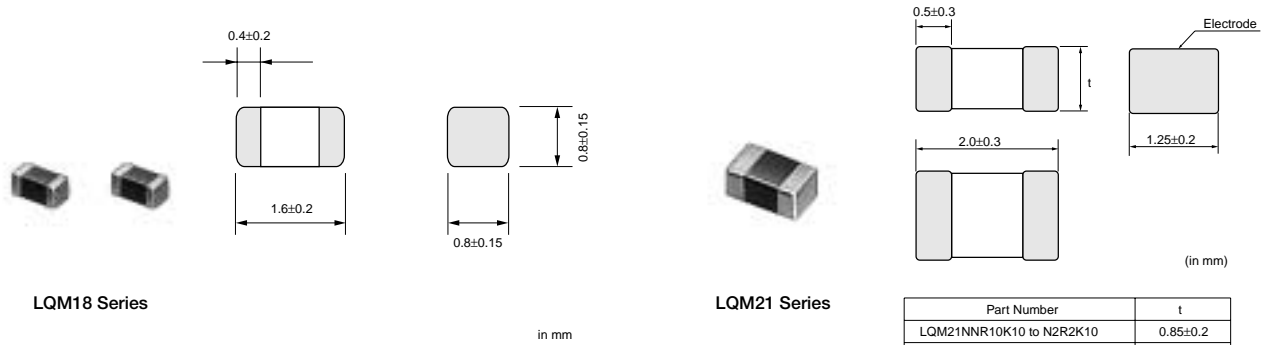
Min. of Operating Temp. : -25°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for General Use Monolithic Type

### ● LQM18N/LQM21N Series



Part Number	Inductance	Rated Current (mA)	Max. of DC resistance (ohm)	Q (min.)	Self Resonance Frequency (MHz)
LQM18NN□□□K00	100nH to 2200nH ±10%	50	0.50 max	15 at 25MHz	240 min.
LQM18NN□□□M00	47nH to 82nH ±20%	50	0.30 max	10 at 50MHz	260 min.
LQM21NN□□□K10	0.1μH to 4.7μH ±10%	250	0.26	20 at 25MHz	340 min.

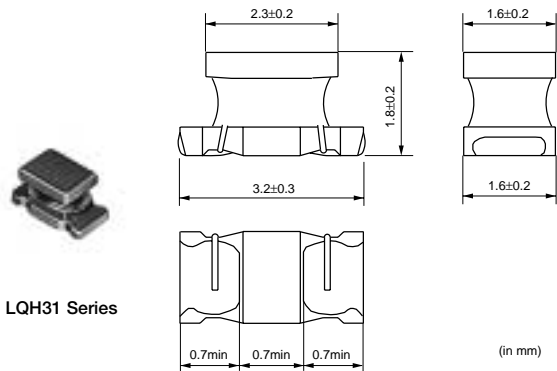
Min. of Operating Temp. : -25°C to +85°C

Three blank columns are filled with inductance code.

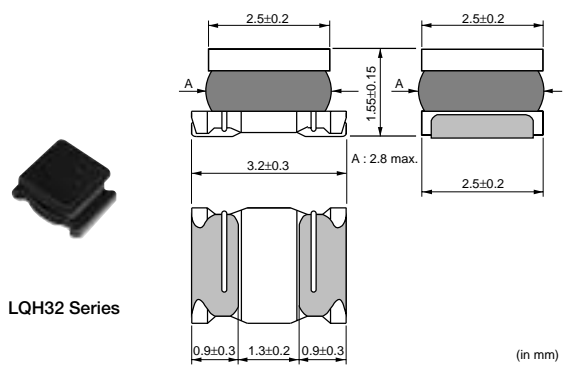
# Chip Coils

for Choke Winding Type

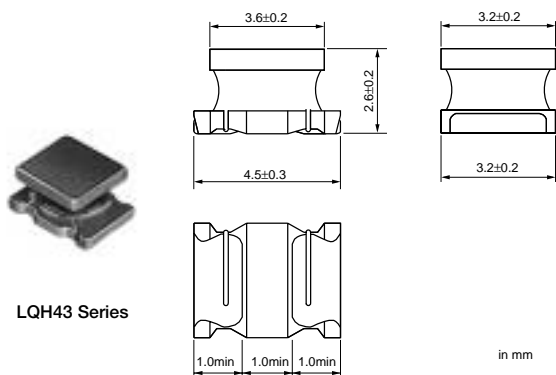
● LQH31C/LQH32C/LQH43C Series



LQH31 Series



LQH32 Series



LQH43 Series

Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)
LQH31C□□□K01	10 to 100 ±10%	230	1.69	20 min.
LQH31C□□□M01	0.12 to 4.7 ±20%	970	0.112	250 min.
LQH32C□□□K11	10 ±10%	450	0.39	26 min.
LQH32C□□□K21	10 ±10%	300	0.572	26 min.
LQH32C□□□K51	10 to 15 ±10%	450	0.390	26 min.
LQH32C□□□K21	22 ±10%	250	0.923	19 min.
LQH32C□□□K51	22 to 33 ±10%	250	0.923	19 min.
LQH32C□□□K21	47 ±10%	170	1.69	15 min.
LQH32C□□□K51	47 to 68 ±10%	170	1.69	15 min.
LQH32C□□□K21	100 ±10%	100	4.55	10 min.
LQH32C□□□K51	100 ±10%	100	4.55	10 min.
LQH32C□□□K21	220 to 560 ±10%	70	10.92	6.8 min.
LQH32C□□□M11	0.15 to 1 ±20%	1450	0.036	400 min.
LQH32C□□□M21	1.0 ±20%	1000	0.078	26 min.
LQH32C□□□M51	1.0 ±20%	1000	0.078	100 min.
LQH32C□□□M11	2.2 ±20%	790	0.1261	64 min.
LQH32C□□□M21	2.2 ±20%	600	0.169	64 min.
LQH32C□□□M51	2.2 ±20%	790	0.126	64 min.
LQH32C□□□M11	4.7 ±20%	650	0.195	43 min.
LQH32C□□□M21	4.7 ±20%	450	0.26	43 min.
LQH32C□□□M51	4.7 ±20%	650	0.195	43 min.
LQH43C□□□K01	10 to 470 ±10%	650	0.24	23
LQH43C□□□M01	1.0 to 6.8 ±20%	1080	0.08	100

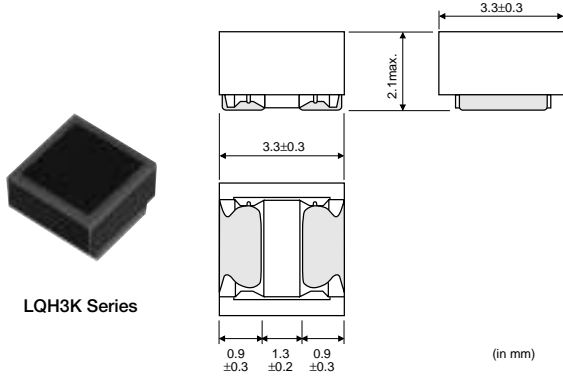
Min. of Operating Temp. : -25°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for Choke Magnetic Shielded Type

### ● LQH3KS Series



LQH3K Series

Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)
LQH3KSN□□□N21	560 to 2200 ±30%	50	10.14	3.0 min.

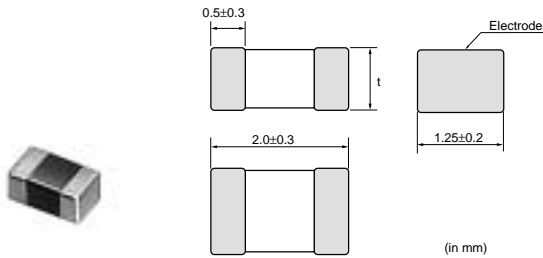
Min. of Operating Temp. : -25°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

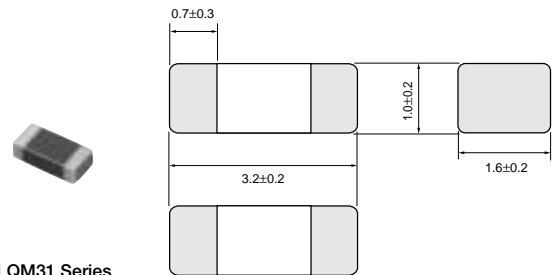
for Choke Monolithic Type

### ● LQM21D/LQM21F/LQM31F Series



LQM21 Series

Part Number	t
LQM21DN1R0N00 to N100N00	0.85±0.2
LQM21DN220N00 to N470N00	1.25±0.2



LQM31 Series

(in mm)

Part Number	Inductance	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)
LQM21DN□□□N00	1μH ±30%	60	0.1	75 min.
LQM21FN□□□N00	1.0μH ±30%	220	0.26	105 min.
LQM21DN□□□N00	2.2μH ±30%	40	0.17	50 min.
LQM21FN□□□N00	2.2μH ±30%	150	0.364	70 min.
LQM21DN□□□N00	4.7μH ±30%	30	0.3	35 min.
LQM21FN□□□N00	4.7μH ±30%	80	0.39	25 min.
LQM21DN□□□N00	10μH ±30%	15	0.5	24 min.
LQM21FN□□□N00	10μH ±30%	60	0.65	15 min.
LQM21DN□□□N00	22μH ±30%	13	0.65	16 min.
LQM21FN□□□N00	22μH ±30%	13	0.455	15 min.
LQM21DN□□□N00	47μH ±30%	7	1.2	7.5 min.
LQM21FN□□□N00	47μH ±30%	7	0.78	7.5 min.
LQM31FN□□□M00	10μH ±20%	70	0.50	20 min.

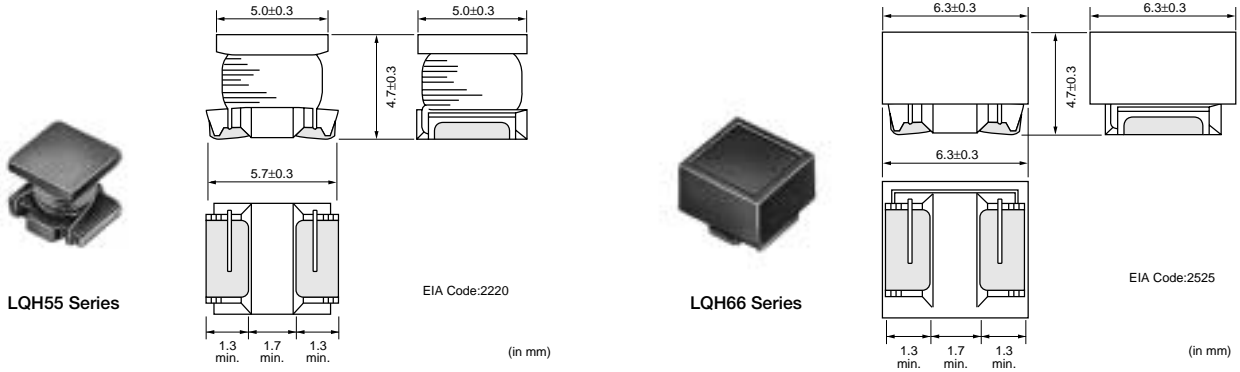
Min. of Operating Temp. : -40°C to 85°C

Three blank columns are filled with inductance code.

## Chip Coils

for Choke Large Current Type

### ● LQH55D/LQH66S Series

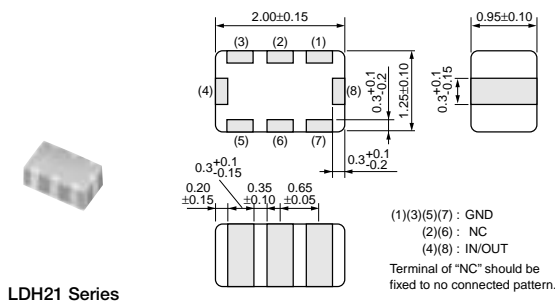


Part Number	Inductance (μH)	Rated Current (mA)	Max. of DC resistance (ohm)	Self Resonance Frequency (MHz)
LQH55DN□□□M01	0.12 to 10000 ±20%	6000	0.0098	450 min.
LQH66SN□□□M01	0.27 to 10000 ±20%	6000	0.0098	300 min.

Min. of Operating Temp. : -25°C to 80°C

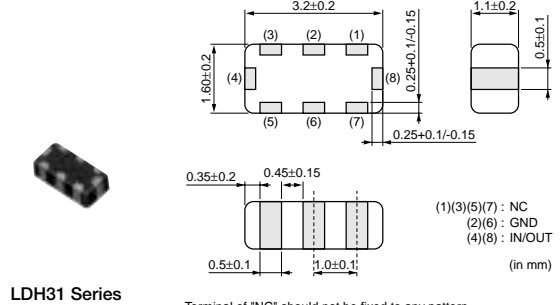
Three blank columns are filled with inductance code.

## Chip Multilayer Delay Lines



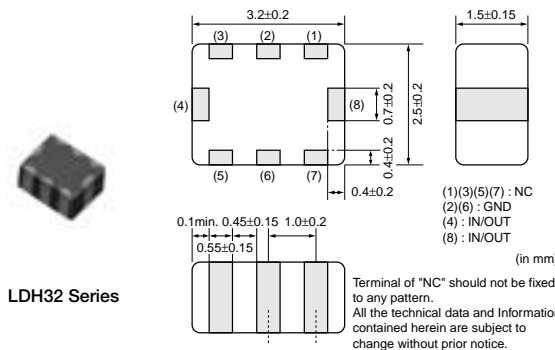
LDH21 Series

All the technical data and Information contained herein are subject to change without prior notice. (in mm)

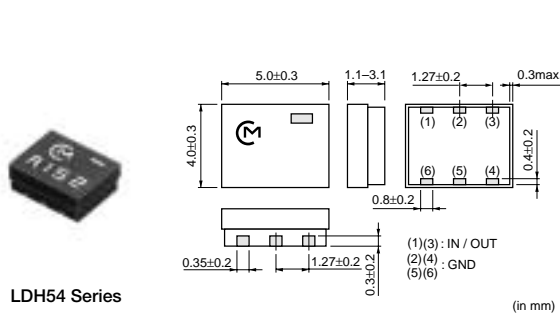


LDH31 Series

Terminal of "NC" should not be fixed to any pattern.  
All the technical data and Information contained herein are subject to change without prior notice.



LDH32 Series

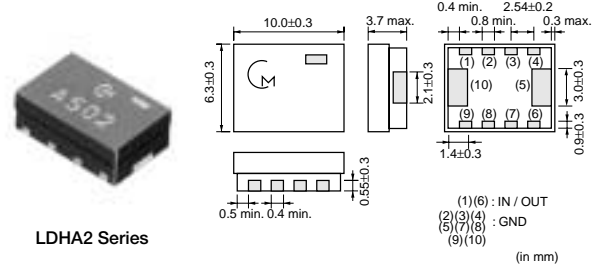
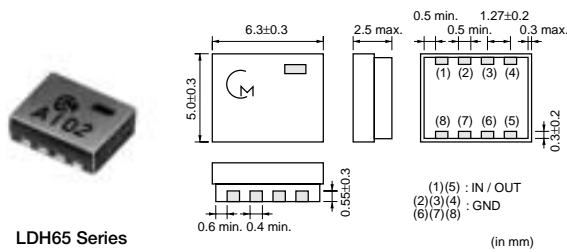


LDH54 Series

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# Coils/Delay Lines

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Part Number	Delay Time (ns)	Impedance (ohm)	Rising Time (ns)	Insulation Resistance (M ohm)	Rated Current (mA)
LDH21600PLAC-820	0.60 ±0.09ns	50 (Nominal)	0.7 max.	100 min.	50
LDH21800PLAC-820	0.80 ±0.12ns	50 (Nominal)	0.75 max.	100 min.	50
LDH211N00LAC-820	1.00 ±0.15ns	50 (Nominal)	0.8 max.	100 min.	50
LDH211N20LAC-820	1.20 ±0.18ns	50 (Nominal)	0.85 max.	100 min.	50
LDH311N00LAC-810	0.1 ±15%	50 (Nominal)	0.8 max.	100 min.	50
LDH311N50LAC-810	1.5 ±15%	50 (Nominal)	1.0 max.	100 min.	50
LDH312N00LAC-810	2.0 ±15%	50 (Nominal)	1.5 max.	100 min.	50
LDH321N00LAC-800	1.0 ±15%	50 (Nominal)	0.8 max.	100 min.	50
LDH321N50LAC-800	1.5 ±15%	50 (Nominal)	1.0 max.	100 min.	50
LDH322N00LAC-800	2.0 ±15%	50 (Nominal)	1.5 max.	100 min.	50
LDH322N50LAC-800	2.5 ±15%	50 (Nominal)	1.8 max.	100 min.	50
LDH323N00LAC-800	3.0 ±15%	50 (Nominal)	2.0 max.	100 min.	50
LDH54100PAAA-600	0.1 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54200PAAA-600	0.2 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54300PAAA-600	0.3 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54400PAAA-600	0.4 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54500PAAA-600	0.5 ±0.05ns	50 ±7 (at 100MHz)	0.15 max.	100 min.	50
LDH54600PBAA-600	0.6 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54700PBAA-600	0.7 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54800PBAA-600	0.8 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH54900PBAA-600	0.9 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH541N00BAA-600	1.0 ±0.1ns	50 ±7 (at 100MHz)	0.3 max.	100 min.	50
LDH541N50BAA-600	1.5 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH542N00BAA-600	2.0 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH542N50BAA-600	2.5 ±0.1ns	50 ±7 (at 100MHz)	0.5 max.	100 min.	50
LDH543N00KAB-700	3.0 ±0.3ns	75 (Nominal)	2.0 max.	100 min.	50
LDH544N00KAB-700	4.0 ±0.4ns	75 (Nominal)	2.5 max.	100 min.	50
LDH545N00KAB-700	5.0 ±0.5ns	75 (Nominal)	2.5 max.	100 min.	50
LDH546N00KAB-700	6.0 ±0.6ns	75 (Nominal)	3.0 max.	100 min.	50
LDH547N00KAB-700	7.0 ±0.7ns	75 (Nominal)	3.5 max.	100 min.	50
LDH548N00KAB-700	8.0 ±0.8ns	75 (Nominal)	3.5 max.	100 min.	50
LDH549N00KAB-700	9.0 ±0.9ns	75 (Nominal)	4.0 max.	100 min.	50
LDH5410N0KAB-700	10.0 ±1.0ns	75 (Nominal)	4.5 max.	100 min.	50
LDH65100PAAA-400	0.1 ±0.05ns	50 ±5 (at 100MHz)	0.10 max.	100 min.	100
LDH65200PAAA-400	0.2 ±0.05ns	50 ±5 (at 100MHz)	0.10 max.	100 min.	100
LDH65300PAAA-400	0.3 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65400PAAA-400	0.4 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65500PAAA-400	0.5 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65600PBAA-400	0.6 ±0.1ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDH65700PBAA-400	0.7 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDH65800PBAA-400	0.8 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDH65900PBAA-400	0.9 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100

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# Coils/Delay Lines

Continued from the preceding page.

Part Number	Delay Time (ns)	Impedance (ohm)	Rising Time (ns)	Insulation Resistance (M ohm)	Rated Current (mA)
LDH651N00BAA-400	1.0 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDHA2500PAAA-300	0.5 ±0.05ns	50 ±5 (at 100MHz)	0.15 max.	100 min.	100
LDHA21N00BAA-300	1.0 ±0.1ns	50 ±5 (at 100MHz)	0.20 max.	100 min.	100
LDHA21N50BAA-300	1.5 ±0.1ns	50 ±5 (at 100MHz)	0.30 max.	100 min.	100
LDHA22N00BAA-300	2.0 ±0.1ns	50 ±5 (at 100MHz)	0.40 max.	100 min.	100
LDHA22N50BAA-300	2.5 ±0.1ns	50 ±5 (at 100MHz)	0.40 max.	100 min.	100
LDHA23N00BAA-300	3.0 ±0.1ns	50 ±10 (at 100MHz)	0.75 max.	100 min.	100
LDHA24N00BAA-300	4.0 ±0.1ns	50 ±10 (at 100MHz)	1.00 max.	100 min.	100
LDHA25N00BAA-300	5.0 ±0.1ns	50 ±10 (at 100MHz)	1.25 max.	100 min.	100
LDHA26N00CAA-300	6.0 ±0.2ns	50 ±10 (at 100MHz)	1.50 max.	100 min.	100
LDHA27N00CAA-300	7.0 ±0.2ns	50 ±10 (at 100MHz)	1.75 max.	100 min.	100
LDHA28N00CAA-300	8.0 ±0.2ns	50 ±10 (at 100MHz)	2.00 max.	100 min.	100
LDHA29N00CAA-300	9.0 ±0.2ns	50 ±10 (at 100MHz)	2.25 max.	100 min.	100
LDHA210N0CAA-300	10.0 ±0.2ns	50 ±10 (at 100MHz)	2.50 max.	100 min.	100

Operating Temperature Range : -40°C to +85°C