

## ● Part Numbering

### Chip Coils (SMD)

(Part Number)

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

#### ① Product ID

Product ID	Category
LQ	Chip Coils

#### ② Structure

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

#### ③ Dimensions (L×W)

Code	Dimensions (L×W)	EIA
03	0.6×0.3mm	0201
04	0.8×0.4mm	03015
15	1.0×0.5mm	0402
18	1.6×0.8mm	0603
21	2.0×1.25mm	0805
2B	2.0×1.5mm	0805
2M	2.0×1.6mm	0806
31	3.2×1.6mm	1206
32	3.2×2.5mm	1210
33	3.2×3.2mm	1212
3K	3.3×3.3mm	1212
43	4.5×3.2mm	1812
55	5.7×5.0mm	2220
66	6.3×6.3mm	2525

#### 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 (UHF-SHF)
H	LQH	High Q Type (VHF-UHF)
N		for Resonant Circuit
M	LQH	for Resonant Circuit (Coating Type)
D		for Choke
C	LQY	for Choke (Coating Type)
S		for Choke (Magnetically Shielded Type)
H	LQY	for High-frequency Resonant Circuit
P		for Power Line

#### ⑤ Category

Code	Category
N	Standard Type
S	

#### ⑥ Inductance

Expressed by three figures. The unit is micro-henry ( $\mu\text{H}$ ). 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 the capital letter "R". In this case, all figures are significant digits. If inductance is less than  $0.1\mu\text{H}$ , the inductance code is expressed by a combination of two figures and the capital letter "N", and the unit of inductance is nano-henry (nH). The capital letter "N" indicates the unit of "nH", and also expresses a decimal point. In this case, all figures are significant digits.

#### ⑦ Inductance Tolerance

Code	Inductance Tolerance
B	$\pm 0.1\text{nH}$
C	$\pm 0.2\text{nH}$
D	$\pm 0.5\text{nH}$
G	$\pm 2\%$
H	$\pm 3\%$
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
N	$\pm 30\%$
S	$\pm 0.3\text{nH}$
W	$\pm 0.05\text{nH}$

#### ⑧ Features

Code	Features	Series
0	Standard Type	LQG/LQP/LQW/LQM*1/LQH*2/LQY
1	High-Q/ Low DC Resistance	LQW15A/18A/2BH
	Standard Type	LQM21N
	Low DC Resistance	LQH32C
2	Standard Type	LQH32C/32M/3KS
3	Low DC Resistance	LQH32C
5	Low Profile Type	LQH32C/3KS
7	Large Current Type	LQM21F


\*1 : Except LQM21N Series

\*2 : Except LQH32/LQH3K Series

#### ⑨ Electrode

•Lead (Pb) Free

Code	Electrode	Series
0	Sn	LQG18H/LQP03T_00/LQW□□A/LQM
2		LQG15H/LQP15T/LQP□□M/LQH2MC/LQY
3	LF Solder	LQW□□H/LQH (Except LQH2MC)
4	Au	LQP03T_04

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⑩ Packaging

Code	Packaging	Series
<b>K</b>	Plastic Taping (ø330mm Reel)	<b>LQH*1 /LQW□□H/LQM31F/LQM21*2</b>
<b>L</b>	Plastic Taping (ø180mm Reel)	<b>LQH/LQW□□H/LQM31F/LQM21*2 /LQY</b>
<b>B</b>	Bulk	All Series
<b>J</b>	Paper Taping (ø330mm Reel)	<b>LQW18A/LQG/LQM18N/LQM21*3 /LQP*4</b>
<b>D</b>	Paper Taping (ø180mm Reel)	<b>LQW□□A/LQG/LQM18N/LQM21*3 /LQP</b>

\*1 Except LQH43C/LQH66S

\*2 LQM21D(22 - 47μH)/LQM21F(4.7 - 47μH)/LQM21N(2.7 - 4.7μH) only.

\*3 LQM21D(1.0 - 10μH)/LQM21F(1.0 - 2.2μH)/LQM21N(0.1 - 2.2μH) only.

\*4 Except LQP15T