

## ● Part Numbering

### Inductors for General Circuits

(Part Number) 

LQ	M	18	N	N	47N	M	0	0	D
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

#### ① Product ID

Product ID	
LQ	Chip Inductors (Chip Coils)

#### ② Structure

Code	Structure
B	Multilayer Type (Ferrite Core)
H	Wire Wound Type (Ferrite Core)
M	Multilayer Type (Ferrite Core)
W	Wire Wound Type (Ferrite Core)

#### ③ Dimensions (LxW)

Code	Nominal Dimensions (LxW)	Size Code (in inch)
04	0.8x0.4mm	03019
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805
31	3.2x1.6mm	1206
32	3.2x2.5mm	1210
43	4.5x3.2mm	1812
44	4.0x4.0mm	1515

#### ④ Applications and Characteristics

Code	Series	Applications and Characteristics
C	LQW	for Choke
N	LQB/LQM	for Resonant Circuit
J	LQM	for Resonant Circuit
N	LQH	for Resonant Circuit
M		for Resonant Circuit (Coating Type)

#### ⑤ Category

Code	Category	
A	General	Impedance Device (Near GHz Band)
N	General	Standard Type

#### ⑥ Inductance

Expressed by three-digit alphanumerics. 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 that 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
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
N	$\pm 30\%$

#### ⑧ Features

Code	Features	Series
0	Standard Type	LQM <sup>*1</sup> /LQH <sup>*2</sup> /LQW
1	Standard Type	LQB/LQM21N
2	Standard Type	LQH32M

\*1 Except for LQM21N Series

\*2 Except for LQH32 Series

#### ⑨ Electrode

•Lead (Pb) Free

Code	Electrode	Series
0	Sn	LQB/LQM/LQW
3	LF Solder	LQH

#### ⑩ Packaging

Code	Packaging
K	Embossed Taping ( $\phi 330\text{mm}$ Reel)
L	Embossed Taping ( $\phi 180\text{mm}$ Reel)
B	Bulk
J	Paper Taping ( $\phi 330\text{mm}$ Reel)
D	Paper Taping ( $\phi 180\text{mm}$ Reel)