● Part Numbering

Chip Inductors (Chip Coils)(SMD)

(Part Number)

LQ	H	32	M	N	331	K	2	3	L
❶	❷	❸	❹	❺	❻	❼	❽	❾	❿

❶Product ID

Product ID	
LQ	Chip Inductors (Chip Coils)

❷Structure

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

❸Dimensions (L×W)

Code	Dimensions (L×W)	EIA
02	0.4×0.2mm	01005
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
2H	2.5×2.0mm	1008
3N	3.0×3.0mm	1212
31	3.2×1.6mm	1206
32	3.2×2.5mm	1210
43	4.5×3.2mm	1812
44	4.0×4.0mm	1515
55	5.7×5.0mm (5.87×5.2mm)	2220
66	6.3×6.3mm	2525

❹Applications and Characteristics

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

❺Category

Code	Category
N	Standard Type
S	

❻Inductance

Expressed by three-digit alphanumerics. 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 the capital letter "**R**". In this case, all figures are significant digits. If inductance is less than 0.1μH, 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.

❼Inductance 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
W	±0.05nH

❽Features (Except **LQH□□P/LQM□□P**)

Code	Features	Series
0	Standard Type	**LQG/LQP/LQW/LQM***1**/LQH***2
1	High-Q/ Low DC Resistance	**LQW15A/18A/2BH**
	Standard Type	**LQM21N**
2	Standard Type	**LQH32C/32M**
3	Low DC Resistance	**LQH32C**
5	Low Profile Type	**LQH2MC/32C**
7	Large Current Type	**LQM21F**
8	Low DC Resistance /Large Current Type	

*1 Except LQM21N Series
*2 Except LQH32 Series

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(Part Number)

LQ	H	32	M	N	331	K	2	3	L
❶	❷	❸	❹	❺	❻	❼	❽	❾	❿

❽Thickness (**LQH□□P/LQM□□P** Only)

Code	Dimensions (T)
C	0.5mm
E	0.7mm
0	0.85mm
G	0.9mm
J	1.1mm
M	1.4mm
N	1.55mm
P	1.65mm
R	1.85mm

❾Electrode (Except **LQH□□P/LQM□□P**)

•Lead (Pb) Free

Code	Electrode	Series
0	Sn	**LQG18H/LQP03T/LQW□□A/LQM**
2		**LQG15H/LQP02T/LQP03T/LQP15T/ LQP□□M/LQH2MC**
3	LF Solder	**LQW□□H/LQH** (Except **LQH2MC**)
4	Au	**LQP03T**

❾Specification (**LQH□□P/LQM□□P** Only)

Code	Specification
0	Standard Type

❿Packaging

Code	Packaging	Series
K	Embossed Taping (ø330mm Reel)	**LQH***1 **/LQW□□H***6 **/LQM31F/LQM21***2
L	Embossed Taping (ø180mm Reel)	**LQH/LQW□□H/LQM31F/LQM21***2 **/LQM31P/LQM2HP/LQM2MP**
B	Bulk	**LQH2MC/LQW/LQG/LQM/LQP**
J	Paper Taping (ø330mm Reel)	**LQW18A/LQG/LQM18/LQM21***3 **/LQP***5
D	Paper Taping (ø180mm Reel)	**LQW□□A/LQG/LQM18/LQM21***4 **/LQP**

*1 Except LQH2MC/LQH32P/LQH3NP/LQH43C
*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 LQM21D(1.0 - 10µH)/LQM21F(1.0 - 2.2µH)/LQM21N(0.1 - 2.2µH)/LQM21P only.
*5 Except LQP02T/15T
*6 Except LQW21H