Part Numbering

Inductors for Power Lines

(Part Number)

LQ	M	21	P	N	R54	M	G	0	D
❶	❷	❸	❹	❺	❻	❼	❽	❾	❿

❶Product ID

Product ID	
LQ	Chip Inductors (Chip Coils)

❷Structure

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

❸Dimensions (LxW)

Code	Nominal Dimensions (LxW)	Size Code (in inch)
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805
2M	2.0x1.6mm	0806
2H	2.5x2.0mm	1008
3N	3.0x3.0mm	1212
31	3.2x1.6mm	1206
32	3.2x2.5mm	1210
43	4.5x3.2mm	1812
44	4.0x4.0mm	1515
5B	5.0x5.0mm	2020
55	5.7x5.0mm	2220
66	6.3x6.3mm	2525

❹Applications and Characteristics

Code	Series	Applications and Characteristics
D	**LQM**	for Choke (Low-current DC Power Supplies)
F		for Choke (DC Power Supplies)
D	**LQH**	for Choke
S		for Choke (Magnetically Shielded Type)
C		for Choke (Coating Type)
P	**LQM/LQH**	for Power Line
C	**LQW**	
D	**LQW**	for Power Line (Large Inductance Type)

❺Category

Code	Category	
N	Standard Type	
B	Special Feature Classification	
W		
E		
Z	Automotive	Infotainment
H		Powertrain/Safety

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 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 0.1μH, 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. For those products whose inductance values are specified using three designated digits, these values may be indicated using the closest two digits instead.

❼Inductance Tolerance

Code	Inductance Tolerance
K	±10%
M	±20%
N	±30%

❽Features (Except for **LQH□□P/LQM□□P**)

Code	Features	Series
0	Standard Type	**LQM/LQH/LQW**
2	Standard Type	**LQH32C/32D**
3	Low DC Resistance	**LQH32C/43CN**
5	Low Profile Type	**LQH2MC/32C/32D**
7	Large Current Type	**LQM18D/21D/21F**
8	Low DC Resistance /Large Current Type	**LQM21F**

❽Thickness

(**LQH□□P/LQM□□P** Only • Except for **LQH43P/LQH5BPN_38**)

Code	Nominal Dimensions (T)
B	0.35mm
C	0.5mm
D	0.6mm
E	0.7mm
F	0.8mm
0	0.85mm
G	0.9mm
J	1.1mm
M	1.4mm
N	1.55mm
P	1.65mm
T	2.0mm

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❾Electrode (Except for **LQH□□P/LQM□□P**)

•Lead (Pb) Free

Code	Electrode	Series
0	Sn	**LQM/LQW**
2		**LQH2MC**
3	LF Solder	**LQH** (Except for **LQH2MC**)

❾Specification

(**LQH□□P/LQM□□P** Only • Except for **LQH43P/LQH5BPN_38**)

Code	Specification
0/S	Standard Type
C	Good Bias Current Characteristics Type
H/A/E	High Spec Type (Low DC Resistance; Good Bias Current Characteristics Type)
R	Low DC Resistance Type

❽❾Thickness (**LQH43P/LQH5BPN_38** Only)

Code	Dimensions (T)
26	2.6mm
38	4.0mm max.

❿Packaging

Code	Packaging
K	Embossed Taping (ø330mm Reel)
F	
L	Embossed Taping (ø180mm Reel)
E	
B	Bulk
J	Paper Taping (ø330mm Reel)
D	Paper Taping (ø180mm Reel)