

● 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	
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 Dimensions (L×W)

Code	Dimensions (L×W)	EIA
03	0.6×0.3mm	0201
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
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	LQH	for Choke (Coating Type)
S		for Choke (Magnetically Shielded Type)
H	LQH	for High-frequency Resonant Circuit

⑤ Category

Code	Category
N	Standard Type
S	

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 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
1	High-Q/ Low DC Resistance	LQW15A/LQW18A/LQW2BH
	Standard Type	LQM21N
	Low DC Resistance	LQH32C
2	Standard Type	LQH32C/LQH32M/LQH3KS
3	Low DC Resistance	LQH32C
5	Low Profile Type	LQH32C/LQH3KS
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/LQW□□A/LQM
2		LQG15H/LQP (Except LQP03T)/LQH2MC
3	LF Solder	LQW□□H/LQH*

* : Except LQH2MC series

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(Part Number)

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

10 Packaging

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

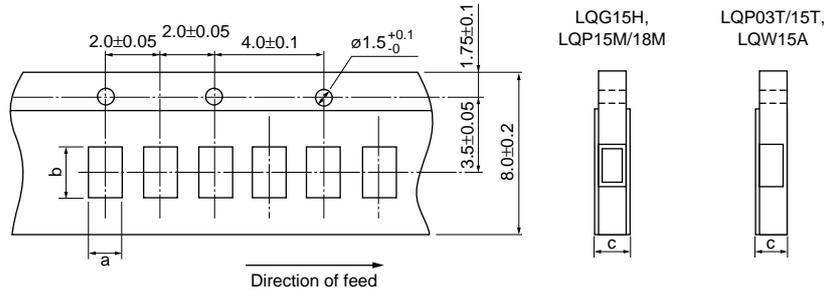
*1 Except LQH43C/LQH66S

*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

Minimum Quantity and 8mm Width Taping Dimension



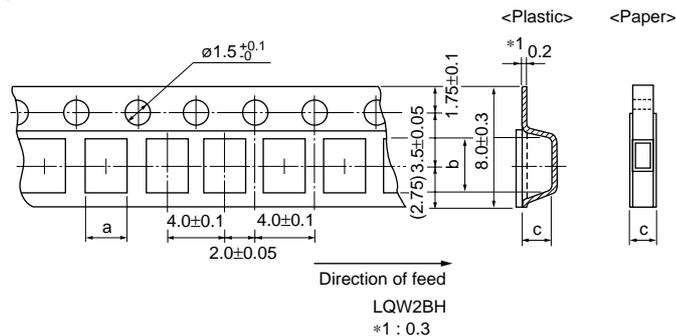
Paper Tape

Part Number	Dimensions (in mm)			Minimum QTY. (pcs.)		
	a	b	c	ø180mm reel	ø330mm reel	Bulk
LQG15H	0.62	1.12	0.8 max.	10000	50000	1000
LQP03T	0.38	0.68	0.55 max.		-	500
LQP15T	0.62	1.12	0.8 max.		50000	
LQP15M	0.70	1.20			10000	
LQP18M	1.19	2.0			4000	
LQW15A *	0.64/0.66 0.69	1.18			10000	-

* 0.69 (5.1nH, 7.5nH, 10nH, 13nH exclud)

0.66 (5.1, 7.5, 10, 13, 16-22nH)

0.64 (24nH-)



Paper Tape

Part Number	Dimensions (in mm)			Minimum QTY. (pcs.)			
	a	b	c	ø180mm reel	ø330mm reel	Bulk	
LQM21N (0.1-2.2μH)	1.45	2.25	1.1 max.	4000	10000	1000	
LQM21D (1-10μH)							
LQM21F (1-2.2μH)							
LQG18H	1.05	1.85					500
LQM18N							
LQW18A_00	1.0	1.8					
LQW18A_10	1.1	1.9					

Plastic Tape

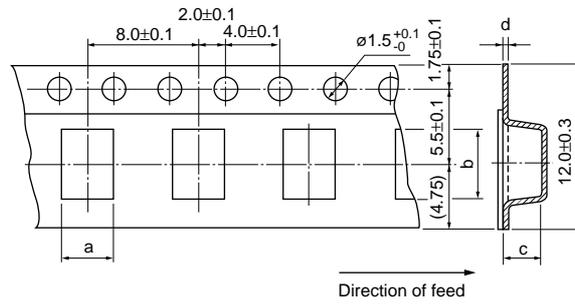
Part Number	Dimensions (in mm)			Minimum QTY. (pcs.)		
	a	b	c	ø180mm reel	ø330mm reel	Bulk
LQM21N (2.7-4.7μH)	1.45	2.25	1.3	3000	10000	1000
LQM21D (22-47μH)						
LQM21F (4.7-47μH)						
LQM31F	1.9	3.5	1.3	2000	7500	-
LQH31M/31C/31H, LQW31H	1.9	3.6	2.0			
LQW2BH	1.75	2.3				
LQH32M, LQH32C_33/_23	2.9	3.6	2.1			
LQH32C_53			1.7			
LQH2MC	1.9	2.3	1.05	3000	-	-

(in mm)

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Minimum Quantity and 12mm Width Plastic Taping Dimension



Plastic Tape

Part Number	Dimensions (in mm)				Minimum QTY. (pcs.)	
	a	b	c	d	ø180mm reel	ø330mm reel
LQH3KS	3.9	3.7	1.9	0.3	1000	4000
LQH43M(N)	3.6	4.9	2.7		500	2500
LQH43C				-		
LQH55D	5.4	6.1	5.0	0.4	350	1500
LQH66S	6.7	6.7	5.6			-

(in mm)