

● Part Numbering

RF Inductors for Automotive

(Part Number)	LQ	G	15	H	H	1N0	S	0	2	D
	1	2	3	4	5	6	7	8	9	10

①Product ID

Product ID	
LQ	Chip Inductors (Chip Coils)

②Structure

Code	Structure
G	Multilayer Type (Air-core Inductors (Coils))
H	Wire Wound Type (Ferrite Core)
P	Film Type
W	Wire Wound Type (Air-core Inductors (Coils))

③Dimensions (LxW)

Code	Nominal Dimensions (LxW)	Size Code (in inch)
03	0.6x0.3mm	0201
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
31	3.2x1.6mm	1206

④Applications and Characteristics

Code	Series	Applications and Characteristics
H	LQG	Multilayer Air-core Inductors (Coils)
W		High Q Type
T	LQP	Film Type (Low DC Resistance Type)
A	LQW	High Q Type (UHF-SHF)
C		for Choke (Coating Type)
H	LQH	for High-frequency Resonant Circuit

⑤Category

Code	Series	Category	
N	LQP/LQW	Standard Type	
S	LQW		
Z	LQG/LQH	Automotive	Infotainment
H	LQG		Powertrain/Safety

⑥Inductance

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.

⑦Inductance Tolerance

Code	Inductance Tolerance
B	±0.1nH
C	±0.2nH
D	±0.5nH
G	±2%
H	±3%
J	±5%
K	±10%
S	±0.3nH

⑧Features

Code	Features	Series
0	Standard Type	LQG/LQH/LQP/LQW
1	High-Q or Low DC Resistance	LQW15A/15C/18A
8	Low Resistance/ Large Current Type	LQW15A/18A
H	Automotive Powertrain/ Safety	LQP03T
Z	Automotive Infotainment	LQP03T

⑨Electrode

•Lead (Pb) Free

Code	Electrode	Series
0	Sn	LQG18H
2		LQG15H/LQG15W/LQP03T
3	LF Solder	LQH
Z	Automotive Infotainment	LQW15A/15C/18A/18C
H	Automotive Powertrain	LQW18C

⑩Packaging

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