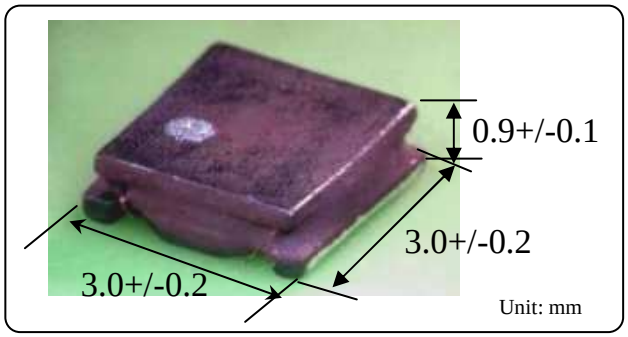
1212 size (3.0x3.0mm)
Height 1.0mm max.

LQH3NP_G0 series

Appearance and Dimensions



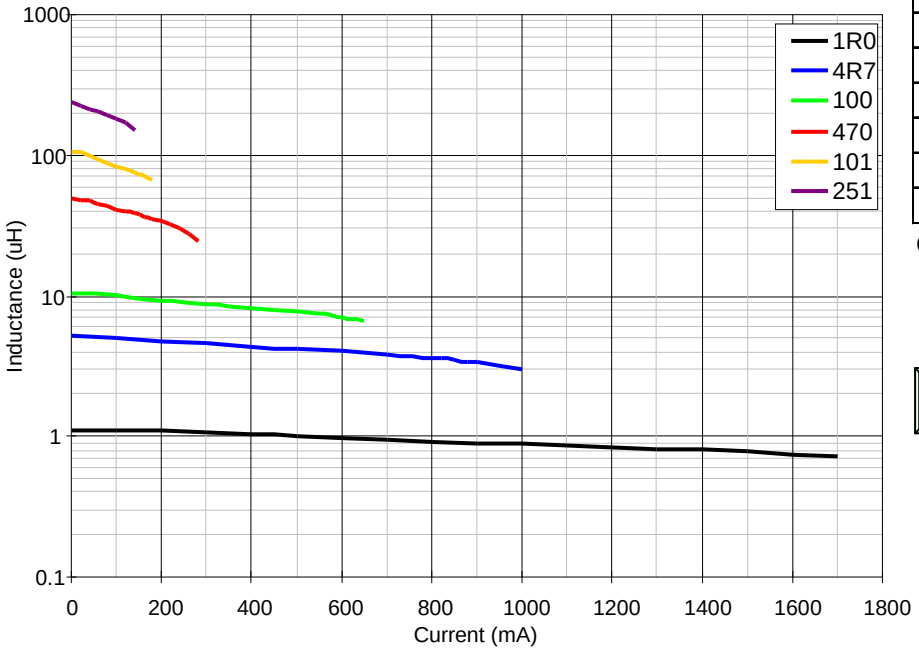
Specifications

P/N	Inductance (uH) @1MHz	DC resistance (ohm)	Idc1 (mA)	Idc2 (mA)
LQH3NPN1R0NG0	1.0 +/-30%	0.08+/-20%	1650	1525
LQH3NPN1R5NG0	1.5 +/-30%	0.10+/-20%	1300	1470
LQH3NPN2R2NG0	2.2 +/-30%	0.14+/-20%	1250	1270
LQH3NPN3R3NG0	3.3 +/-30%	0.18+/-20%	850	1130
LQH3NPN4R7NG0	4.7 +/-30%	0.26+/-20%	800	925
LQH3NPN6R8NG0	6.8 +/-30%	0.45+/-20%	650	710
LQH3NPN100N(M)G0	10 +/-30(20)%	0.57+/-20%	500	630
LQH3NPN150NG0	15 +/-30%	0.91+/-20%	370	475
LQH3NPN220N(M)G0	22 +/-30(20)%	1.1+/-20%	340	430
LQH3NPN330N(M)G0	33 +/-30(20)%	2.1+/-20%	250	345
LQH3NPN470N(M)G0	47 +/-30(20)%	3.0+/-20%	170	270
LQH3NPN680N(M)G0	68 +/-30(20)%	4.2+/-20%	150	235
LQH3NPN101N(M)G0	100 +/-30(20)%	8.0+/-20%	140	165
LQH3NPN151N(M)G0	150 +/-30(20)%	11+/-20%	110	145
LQH3NPN221N(M)G0	220 +/-30(20)%	14+/-20%	100	130
LQH3NPN251N(M)G0	250 +/-30(20)%	15+/-20%	80	130

Operating temp. range: -40 to +85C

(1) Idc1: Inductance change within +/-30% from nominal value
(2) Idc2: Temperature rise below 40deg C

Electrical characteristics



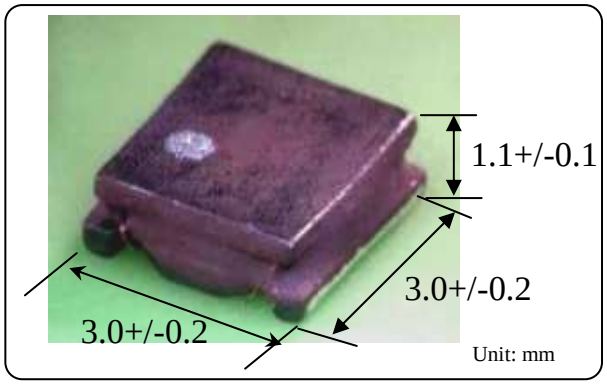
Other characteristics

1212 size (3.0x3.0mm)
Height 1.2mm max.

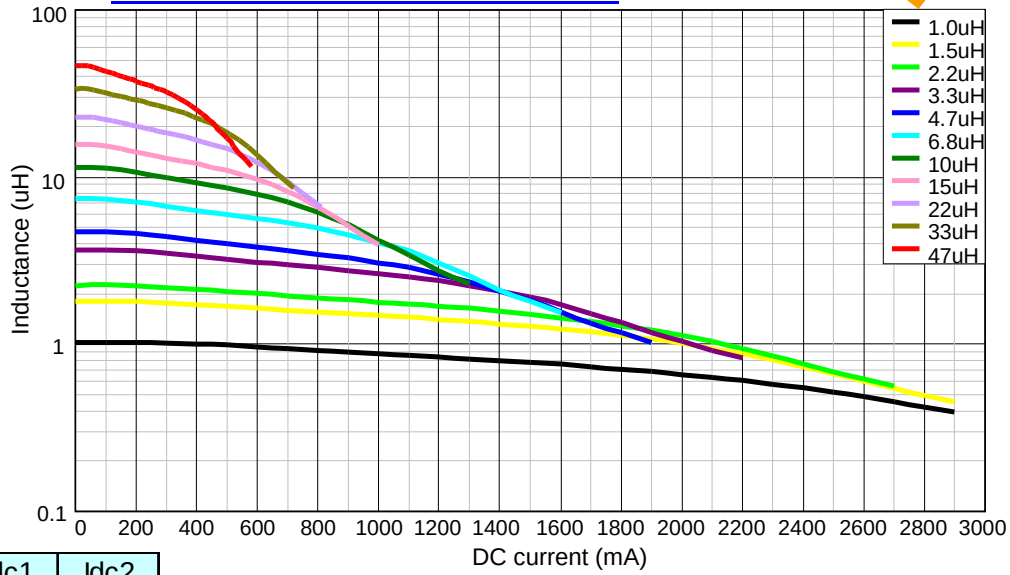
LQH3NP_J0 series

New

➢Appearance and Dimensions



➢Electrical characteristics



➢Specifications

P/N	Inductance (uH) @1MHz	DC resistance (ohms)	Idc1 (mA)	Idc2 (mA)
LQH3NPN1R0NJ0	1.0 +/-30%	0.040+/-20%	1650	1620
LQH3NPN1R5NJ0	1.5 +/-30%	0.055+/-20%	1200	1500
LQH3NPN2R2NJ0	2.2 +/-30%	0.069+/-20%	1150	1460
LQH3NPN3R3NJ0	3.3 +/-30%	0.105+/-20%	950	1270
LQH3NPN4R7NJ0	4.7 +/-30%	0.130+/-20%	780	1120
LQH3NPN6R8NJ0	6.8 +/-30%	0.210+/-20%	700	850
LQH3NPN100NJ0	10 +/-30%	0.300+/-20%	560	710
LQH3NPN150NJ0	15 +/-30%	0.440+/-20%	440	590
LQH3NPN220MJ0	22 +/-20%	0.600+/-20%	350	510
LQH3NPN330MJ0	33 +/-20%	0.900+/-20%	280	410
LQH3NPN470MJ0	47 +/-20%	1.30+/-20%	200	350

Other characteristics

Operating temp. range: -40 to +85C

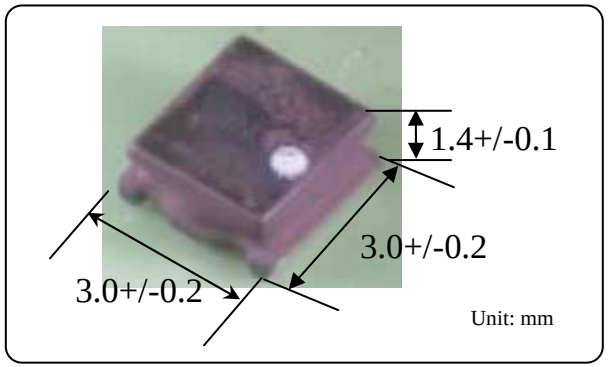
(1) Idc1: Inductance change within +/-30% from nominal value
(2) Idc2: Temperature rise below 40deg C

1212 size (3.0x3.0mm)
Height 1.5mm max.

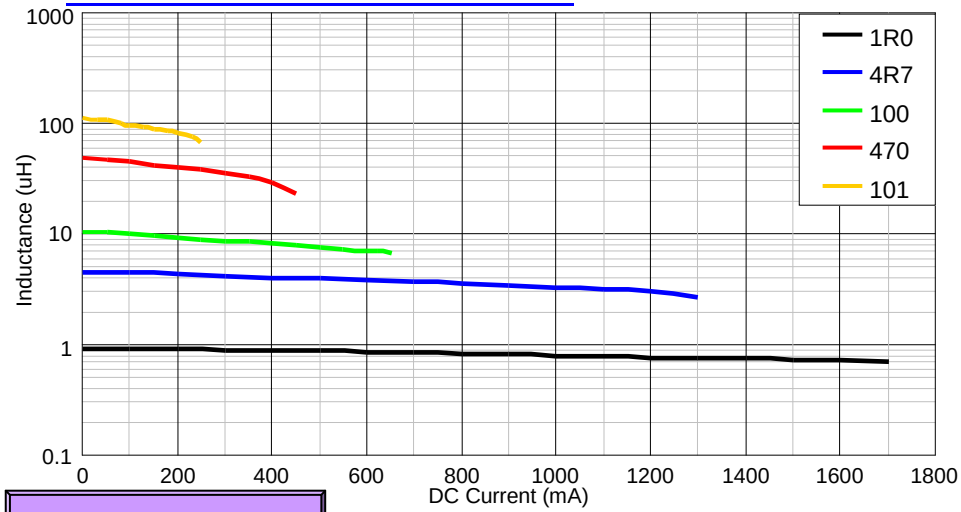
LQH3NP_M0 series

muRata
Innovator in Electronics

➢Appearance and Dimensions



➢Electrical characteristics



Other characteristics

➢Specifications

P/N	Inductance (uH) @1MHz	DC resistance (ohms)	Idc1 (mA)	Idc2 (mA)	SRF (MHz min.)
LQH3NPN1R0N(M)M0	1.0 +/-30(20)%	0.044+/-20%	1400	2050	130
LQH3NPN2R2N(M)M0	2.2 +/-30(20)%	0.073+/-20%	1250	1600	90
LQH3NPN3R3N(M)M0	3.3 +/-30(20)%	0.092+/-20%	1000	1450	75
LQH3NPN4R7N(M)M0	4.7 +/-30(20)%	0.13+/-20%	880	1250	65
LQH3NPN6R8N(M)M0	6.8 +/-30(20)%	0.20+/-20%	820	1000	50
LQH3NPN100N(M)M0	10 +/-30(20)%	0.26+/-20%	550	870	45
LQH3NPN220MM0	22 +/-20%	0.51+/-20%	410	650	28
LQH3NPN330MM0	33 +/-20%	0.85+/-20%	370	500	22
LQH3NPN470MM0	47 +/-20%	1.25+/-20%	310	410	18
LQH3NPN101MM0	100 +/-20%	3.50+/-20%	200	240	12

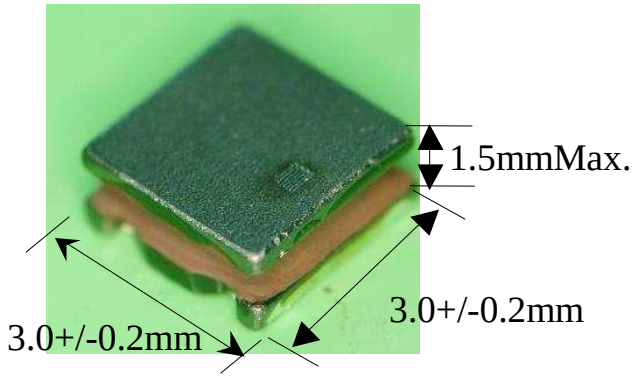
Operating temp. range: -40 to +85C

(1) Idc1: Inductance change within +/-30% from nominal value
(2) Idc2: Temperature rise below 40deg C

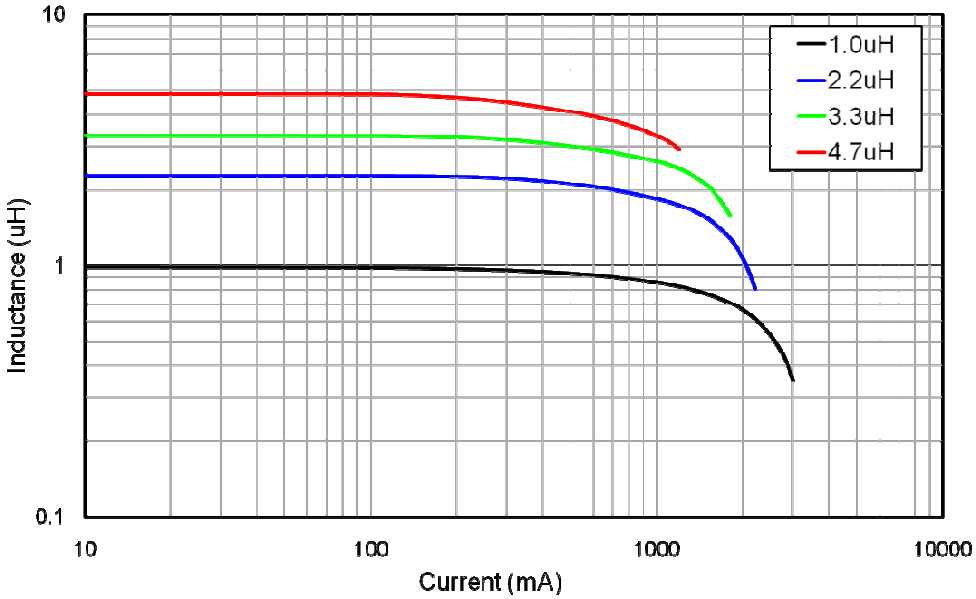
1212 size (3.0x3.0mm)
Height 1.5mm max.

LQH3NP_MR series

Dimensions



Inductance-Current Characteristics



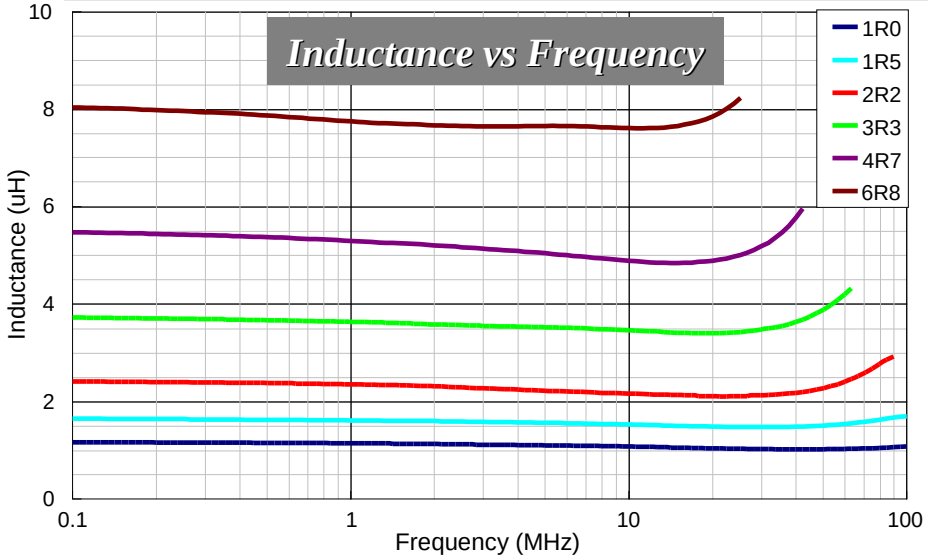
Specification

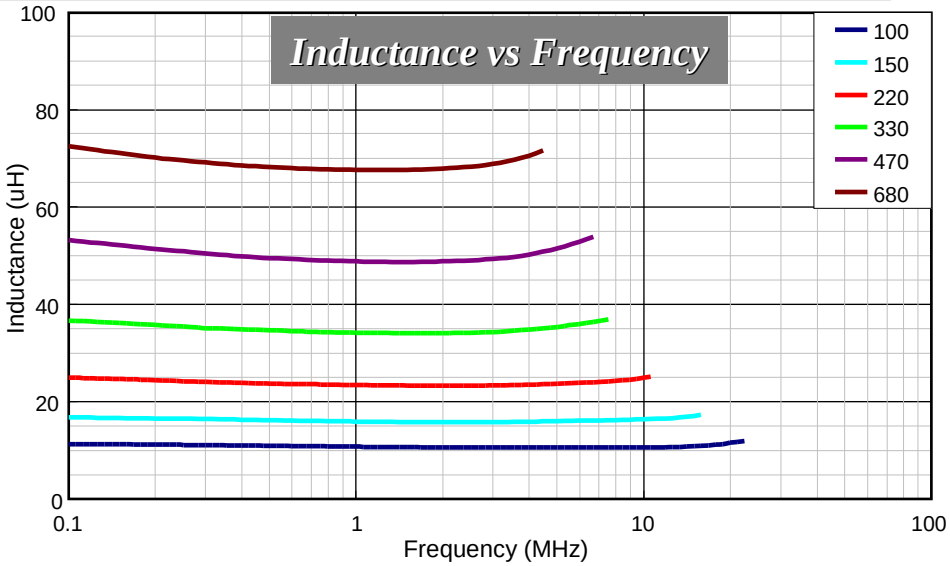
Murata P/N	Inductance	DC Resistance	*Idc1 (Based on Inductance Change)	*Idc2 (Based on Temperature Rise)
LQH3NPN1R0MMR	1.0uH+/-20%	0.042ohm+/-20%	1600mA	2150mA
LQH3NPN2R2MMR	2.2uH+/-20%	0.068ohm+/-20%	1380mA	1750mA
LQH3NPN3R3MMR	3.3uH+/-20%	0.088ohm+/-20%	1200mA	1550mA
LQH3NPN4R7MMR	4.7uH+/-20%	0.105ohm+/-20%	950mA	1400mA

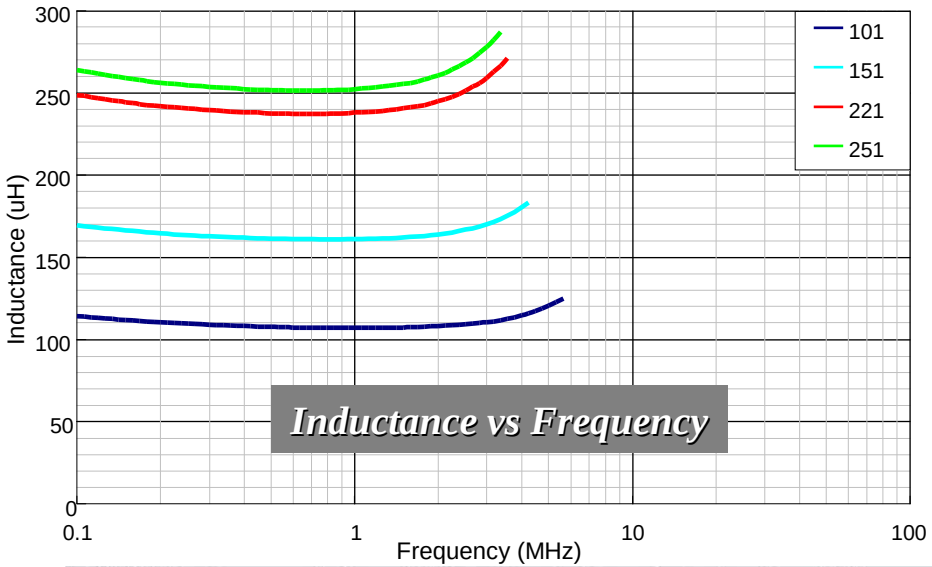
(1) Idc1: Inductance change within +/-30% from nominal value
(2) Idc2: Temperature rise below 40deg C

1212 size (3.0x3.0mm)
Height 1.0mm max.

LQH3NP_G0 series

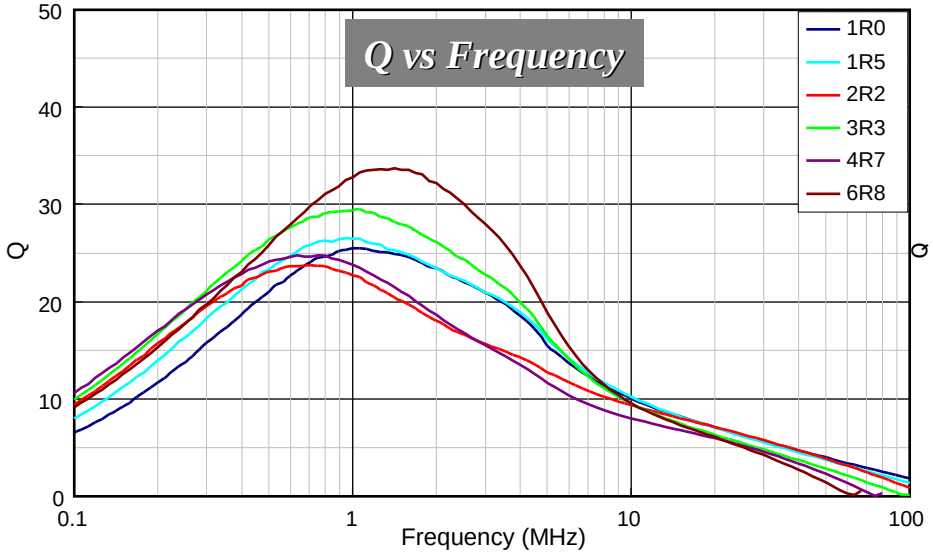


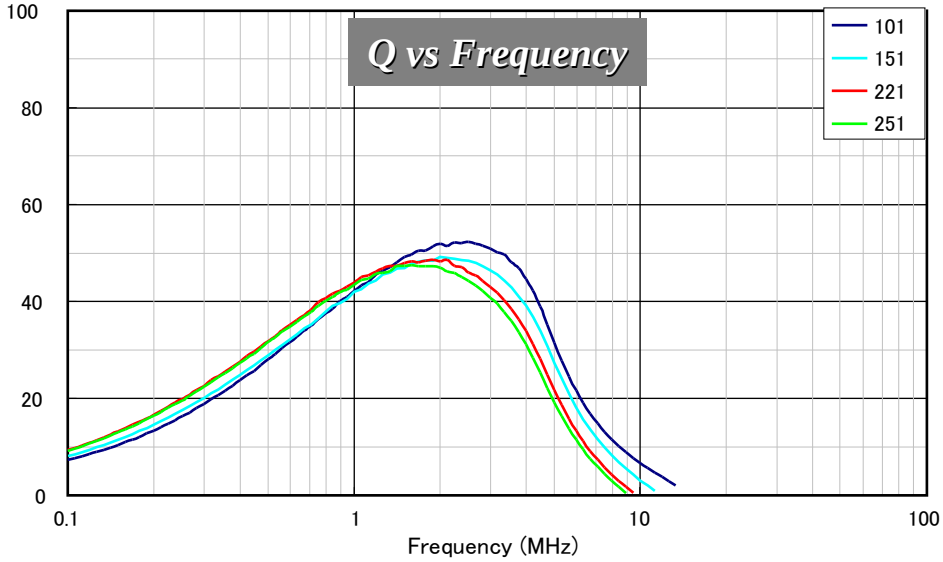


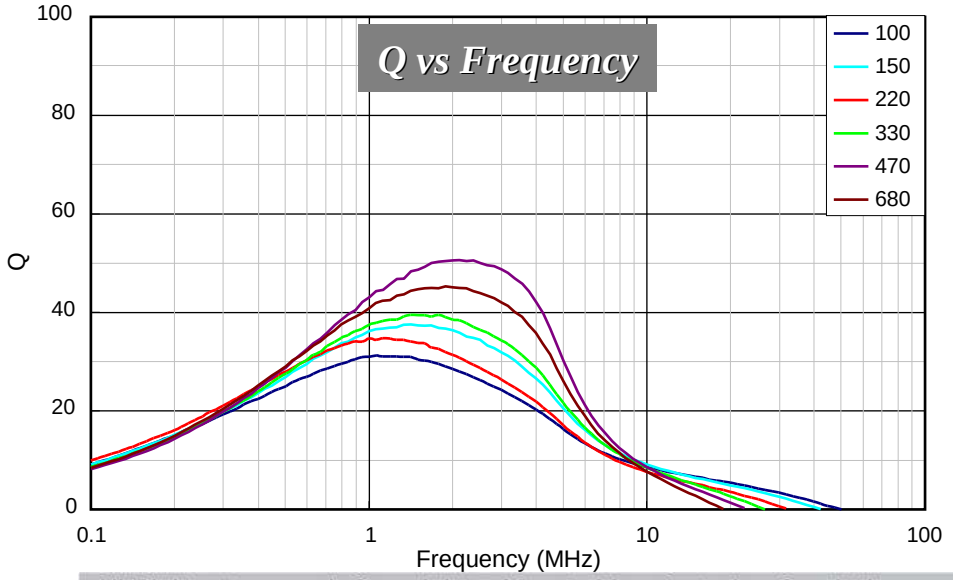


1212 size (3.0x3.0mm)
Height 1.0mm max.

LQH3NP_G0 series

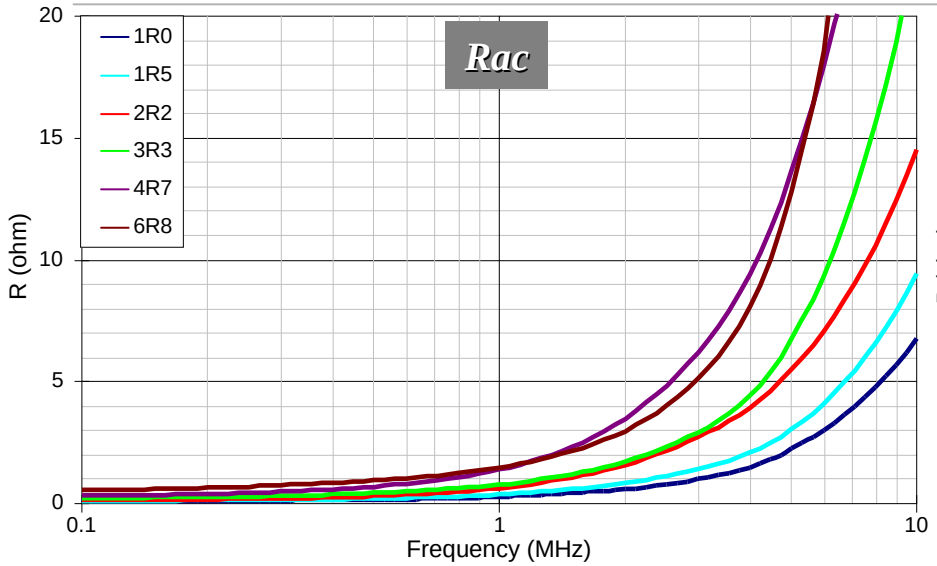


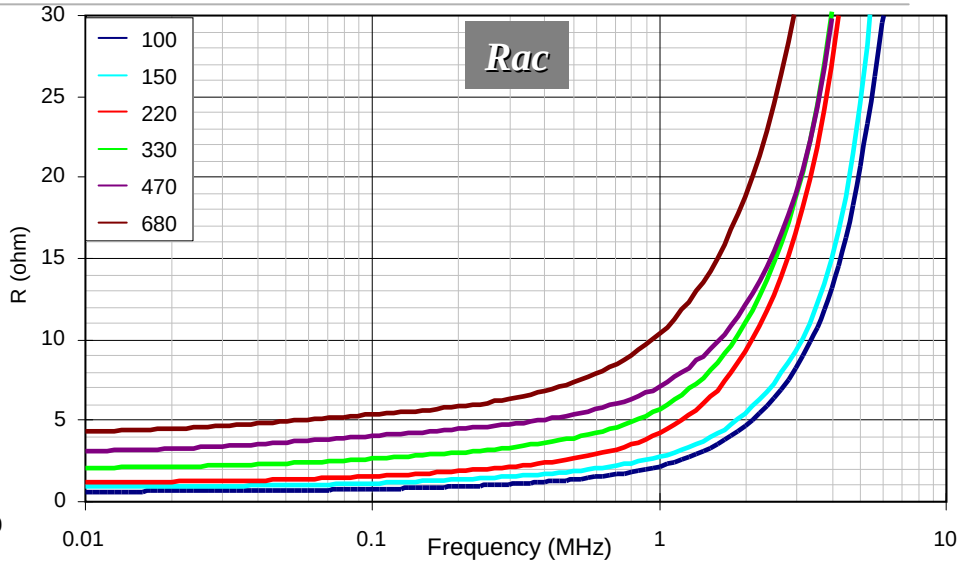


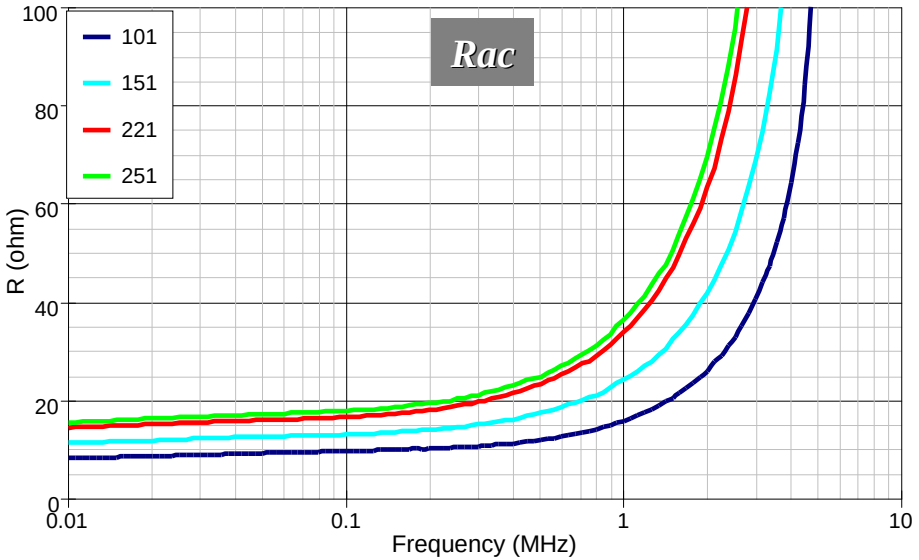


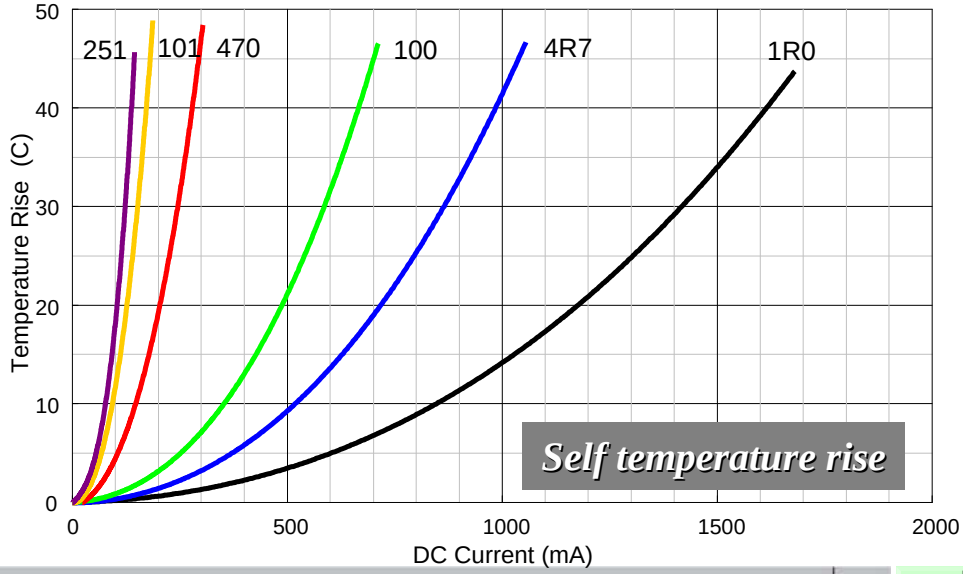
1212 size (3.0x3.0mm)
Height 1.0mm max.

LQH3NP_G0 series









1212 size (3.0x3.0mm)
Height 1.5mm max.

LQH3NP_M0 series

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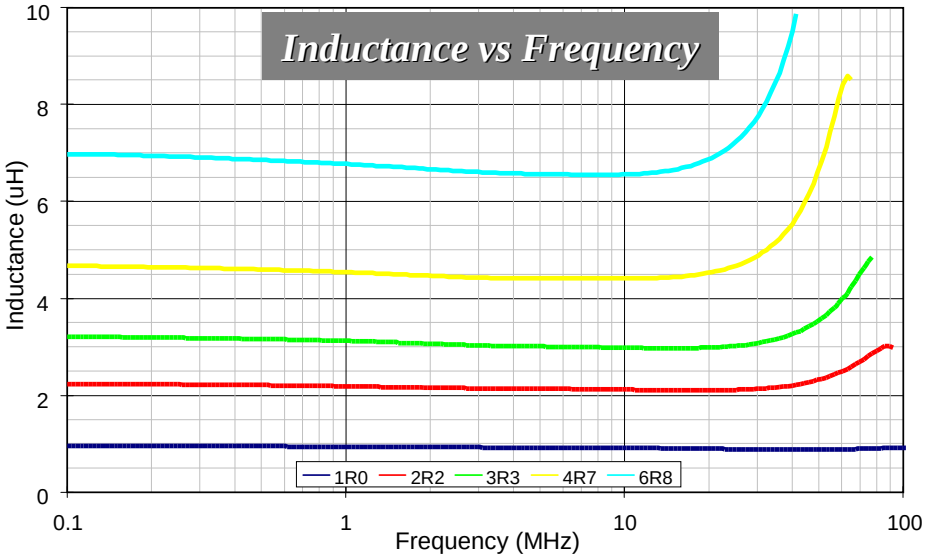
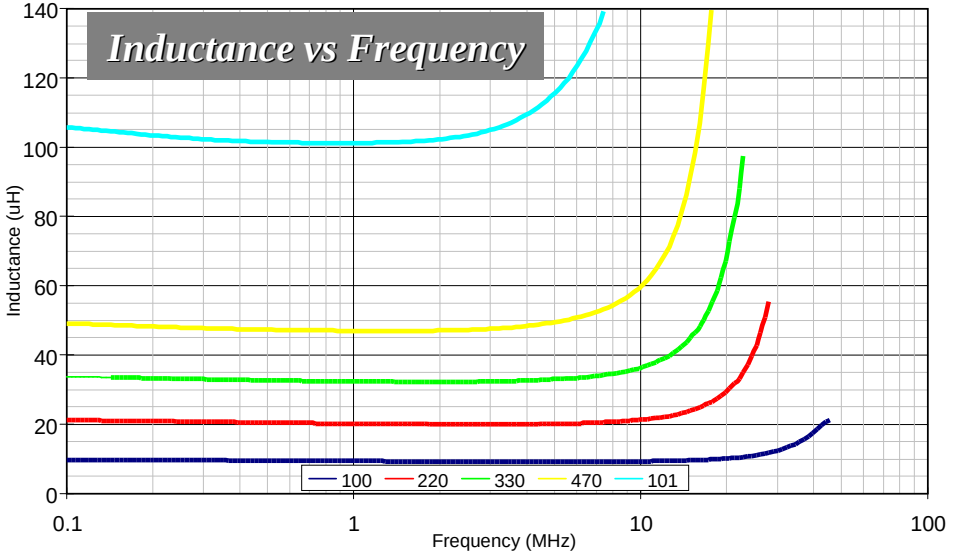
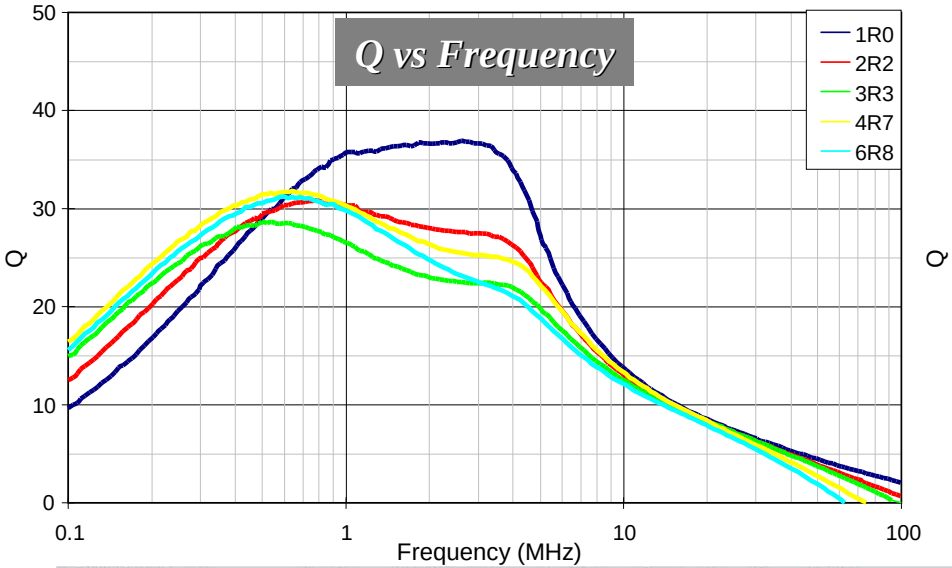
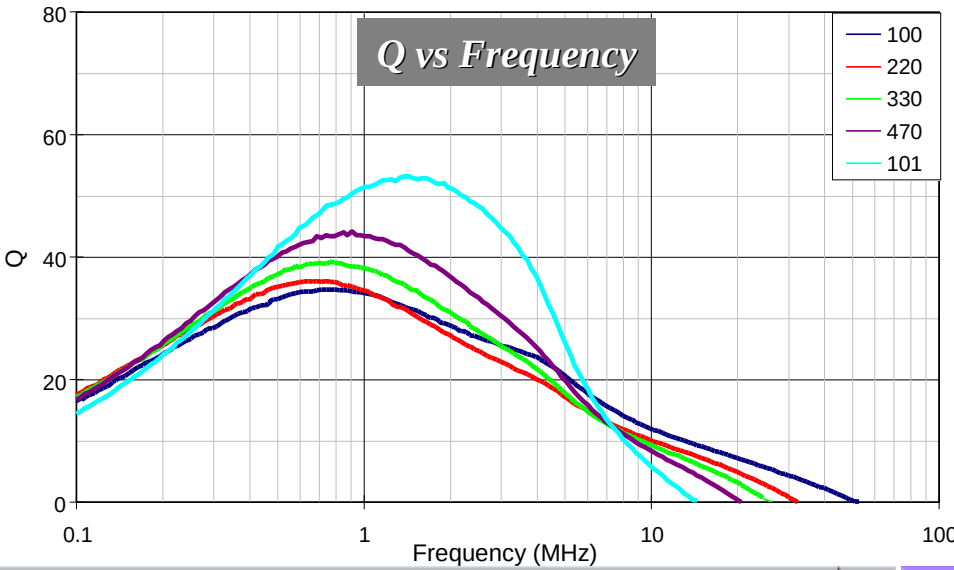


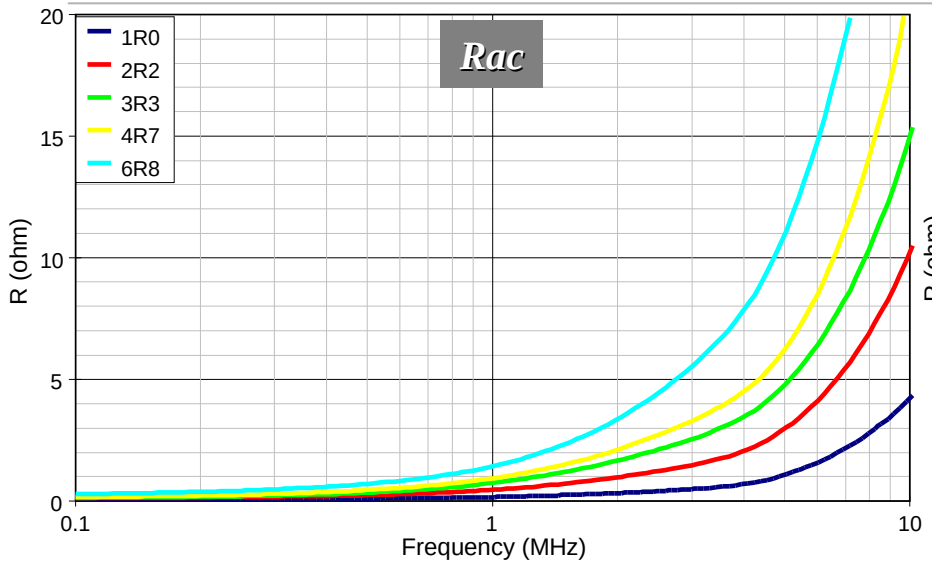


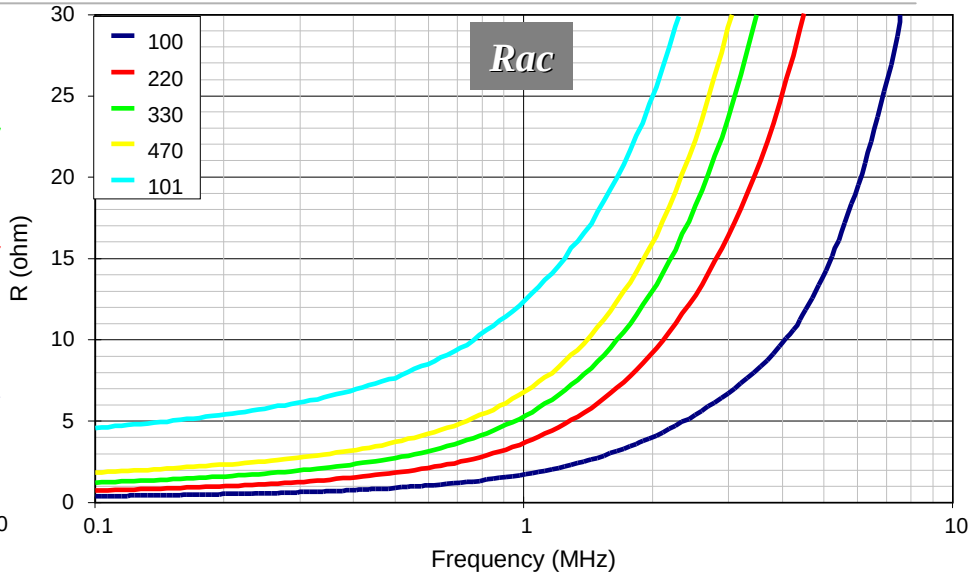


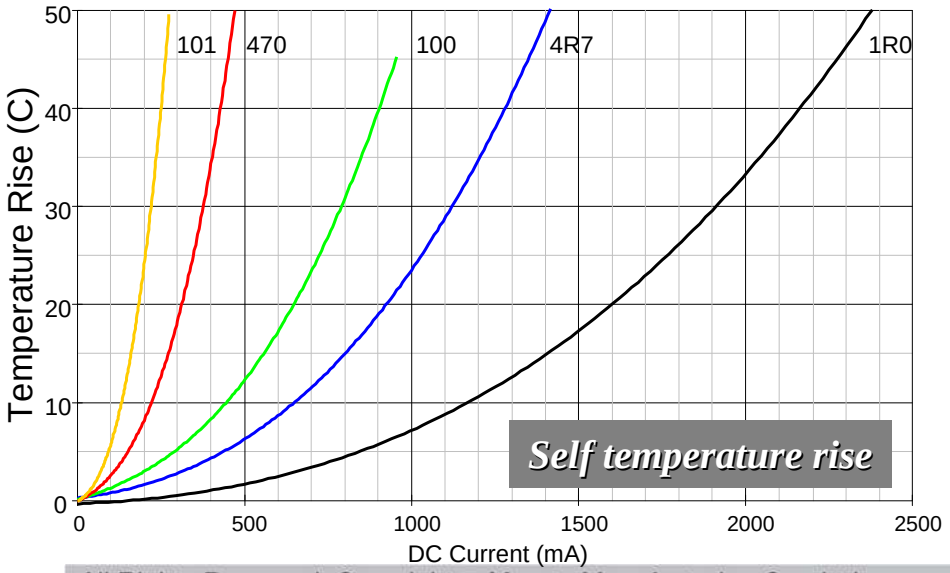


1212 size (3.0x3.0mm)
Height 1.5mm max.

LQH3NP_M0 series







1212 size (3.0x3.0mm)
Height 1.2mm max.

LQH3NP_J0 series

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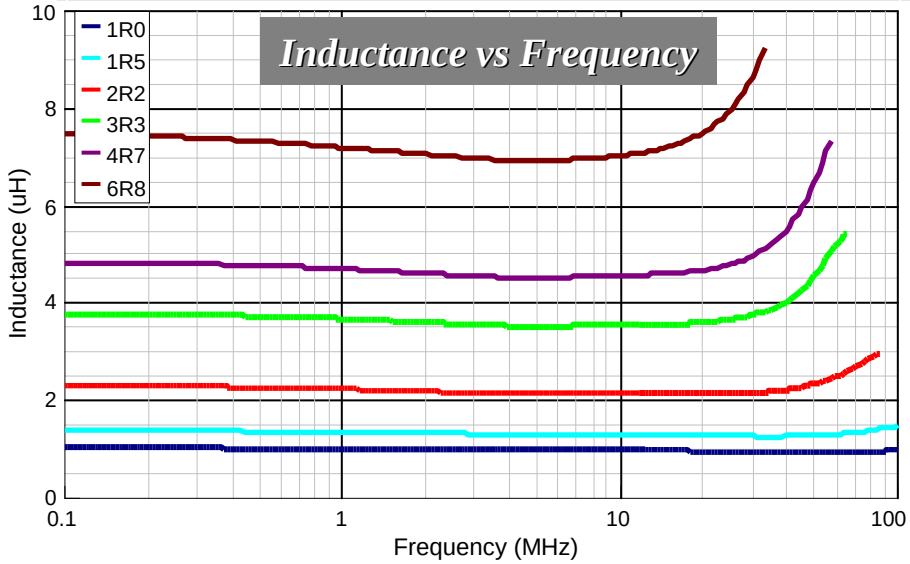

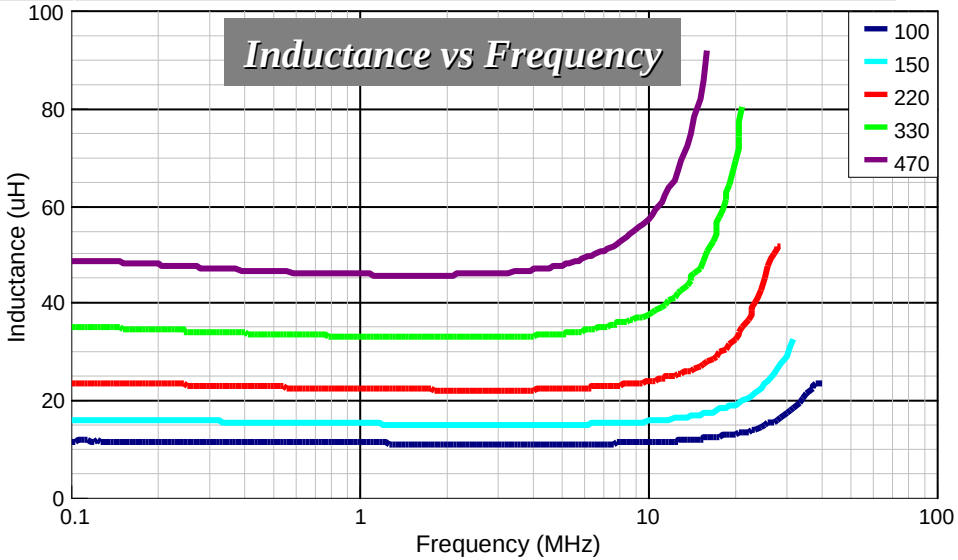

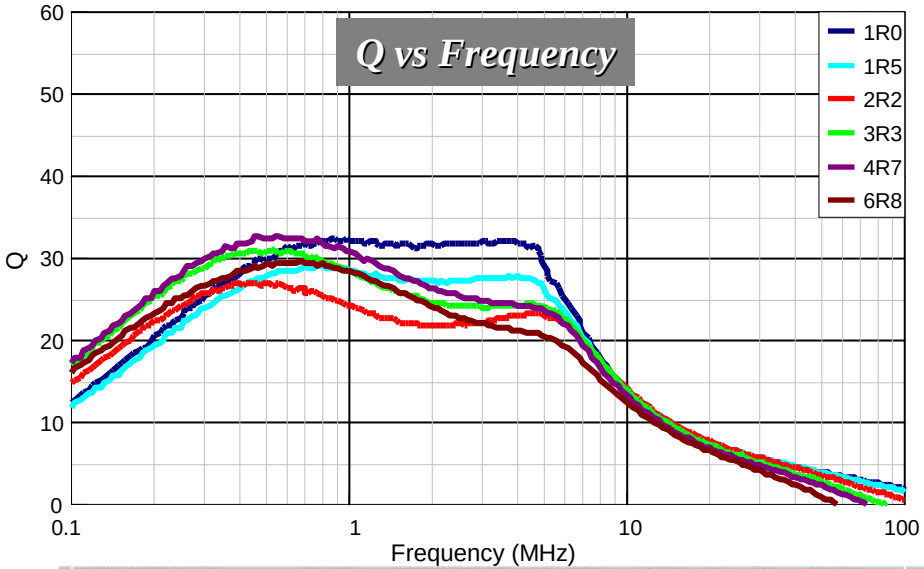

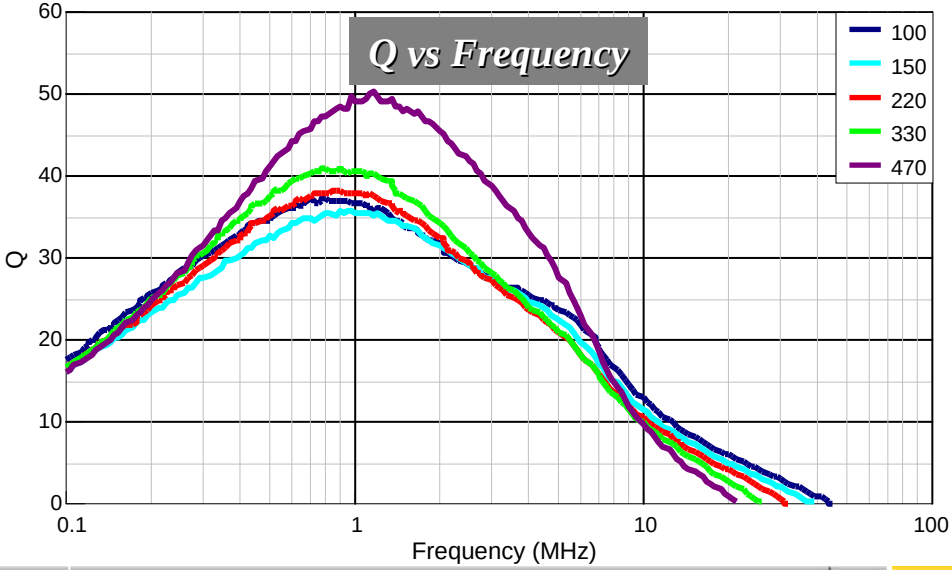

1212 size (3.0x3.0mm)
Height 1.2mm max.

LQH3NP_J0 series