

# MURATA SMD Inductors



This product is RoHS compliant.

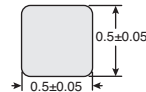
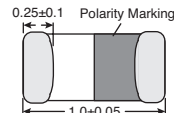


## LQG HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL

The LQG15HS series are chip inductors specifically designed for high frequency applications. The LQG15H series is designed to realize stable characteristics in high frequency range applying integrated multilayer process.

### Applications:

- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (nH)	DCR (max)	Rated Current (mA)	Price Each		Reel Qty.	Price Per Piece
					1	100		
<b>LQG15H Series 0402 Case Size</b>								
81-LQG15HS1N0S02D	LQG15HS1N0S02D	1.0	0.07	300	.07	.041	10000	.019
81-LQG15HS1N2S02D	LQG15HS1N2S02D	1.2	0.09	300	.07	.041	10000	.019
81-LQG15HN1N2S02D	LQG15HN1N2S02D	1.2	0.09	300	.07	.041	10000	.019
81-LQG15HS1N5S02D	LQG15HS1N5S02D	1.5	0.1	300	.07	.041	10000	.019
81-LQG15HS1N8S02D	LQG15HS1N8S02D	1.8	0.1	300	.07	.041	10000	.019
81-LQG15HS2N2S02D	LQG15HS2N2S02D	2.2	0.12	300	.07	.041	10000	.019
81-LQG15HN2N2S02D	LQG15HN2N2S02D	2.2	0.12	300	.07	.041	10000	.019
81-LQG15HS2N7S02D	LQG15HS2N7S02D	2.7	0.15	300	.07	.041	10000	.019
81-LQG15HN2N7S02D	LQG15HN2N7S02D	2.7	0.15	300	.07	.041	10000	.019
81-LQG15HS3N3S02D	LQG15HS3N3S02D	3.3	0.17	300	.07	.041	10000	.019
81-LQG15HN3N3S02D	LQG15HN3N3S02D	3.3	0.17	300	.07	.041	10000	.019
81-LQG15HS3N9S02D	LQG15HS3N9S02D	3.9	0.18	300	.07	.041	10000	.019
81-LQG15HN3N9S02D	LQG15HN3N9S02D	3.9	0.18	300	.07	.041	10000	.019
81-LQG15HS4N7S02D	LQG15HS4N7S02D	4.7	0.18	300	.07	.041	10000	.019
81-LQG15HN4N7S02D	LQG15HN4N7S02D	4.7	0.18	300	.07	.041	10000	.019
81-LQG15HS5N6S02D	LQG15HS5N6S02D	5.6	0.2	300	.07	.041	10000	.019
81-LQG15HS6N2S02D	LQG15HS6N2S02D	6.2	0.22	300	.07	.041	10000	.019
81-LQG15HS6N8J02D	LQG15HS6N8J02D	6.8	0.24	300	.07	.041	10000	.019
81-LQG15HN7N5J02D	LQG15HN7N5J02D	7.5	0.24	300	.07	.041	10000	.019
81-LQG15HS8N2J02D	LQG15HS8N2J02D	8.2	0.24	300	.07	.041	10000	.019
81-LQG15HN8N2J02D	LQG15HN8N2J02D	8.2	0.24	300	.07	.041	10000	.019
81-LQG15HS10NJ02D	LQG15HS10NJ02D	10.0	0.26	300	.07	.041	10000	.019
81-LQG15HN10NJ02D	LQG15HN10NJ02D	10.0	0.26	300	.07	.041	10000	.019
81-LQG15HS12NJ02D	LQG15HS12NJ02D	12.0	0.28	300	.07	.041	10000	.019
81-LQG15HN12NJ02D	LQG15HN12NJ02D	12.0	0.28	300	.07	.041	10000	.019
81-LQG15HS15NJ02D	LQG15HS15NJ02D	15.0	0.32	300	.07	.041	10000	.019
81-LQG15HN15NJ02D	LQG15HN15NJ02D	15.0	0.32	300	.07	.041	10000	.019
81-LQG15HS18NJ02D	LQG15HS18NJ02D	18.0	0.36	300	.07	.041	10000	.019
81-LQG15HN18NJ02D	LQG15HN18NJ02D	18.0	0.36	300	.07	.041	10000	.019
81-LQG15HS22NJ02D	LQG15HS22NJ02D	22.0	0.42	300	.07	.041	10000	.019
81-LQG15HN22NJ02D	LQG15HN22NJ02D	22.0	0.42	300	.07	.041	10000	.019
81-LQG15HS27NJ02D	LQG15HS27NJ02D	27.0	0.46	300	.07	.041	10000	.019
81-LQG15HN27NJ02D	LQG15HN27NJ02D	27.0	0.46	300	.07	.041	10000	.019
81-LQG15HS33NJ02D	LQG15HS33NJ02D	33.0	0.58	200	.07	.041	10000	.019
81-LQG15HN33NJ02D	LQG15HN33NJ02D	33.0	0.58	200	.07	.041	10000	.019
81-LQG15HS39NJ02D	LQG15HS39NJ02D	39.0	0.65	200	.07	.044	10000	.021
81-LQG15HN39NJ02D	LQG15HN39NJ02D	39.0	0.65	200	.07	.044	10000	.021
81-LQG15HS47NJ02D	LQG15HS47NJ02D	47.0	0.72	200	.07	.044	10000	.021
81-LQG15HN47NJ02D	LQG15HN47NJ02D	47.0	0.72	200	.07	.044	10000	.021

For quantities greater than listed, call for quote.

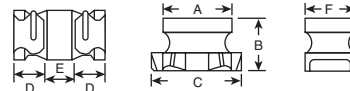
MOUSER STOCK NO.	Murata Part No.	Value (nH)	DCR (max)	Rated Current (mA)	Price Each		Reel Qty.	Price Per Piece
					1	100		
<b>LQG15H Series 0402 Case Size (Cont.)</b>								
81-LQG15HS56NJ02D	LQG15HS56NJ02D	56	0.82	200	.07	.044	10000	.021
81-LQG15HS68NJ02D	LQG15HS68NJ02D	68	0.92	180	.07	.044	10000	.021
81-LQG15HN68NJ02D	LQG15HN68NJ02D	68	0.92	180	.07	.044	10000	.021
81-LQG15HS82NJ02D	LQG15HS82NJ02D	82	1.25	150	.07	.048	10000	.023
81-LQG15HSR10J02D	LQG15HSR10J02D	100	1.25	150	.07	.048	10000	.023
81-LQG15HSR12J02D	LQG15HSR12J02D	120	1.35	150	.07	.048	10000	.023
81-LQG15HSR15J02D	LQG15HSR15J02D	150	2.99	140	.08	.052	10000	.025
81-LQG15HSR18J02D	LQG15HSR18J02D	180	3.98	130	.08	.052	10000	.025
81-LQG15HSR22J02D	LQG15HSR22J02D	220	3.77	120	.08	.052	10000	.025
81-LQG15HSR27J02D	LQG15HSR27J02D	270	4.94	110	.08	.052	10000	.025
<b>LQG18H Series 0603 Case Size</b>								
81-LQG18HN1N2S00D	LQG18HN1N2S00D	1.2	0.1	300	.15	.122	4000	.058
81-LQG18HN1N5S00D	LQG18HN1N5S00D	1.5	0.1	300	.15	.122	4000	.058
81-LQG18HN1N8S00D	LQG18HN1N8S00D	1.8	0.1	300	.15	.122	4000	.058
81-LQG18HN2N2S00D	LQG18HN2N2S00D	2.2	0.1	300	.15	.122	4000	.058
81-LQG18HN2N7S00D	LQG18HN2N7S00D	2.7	0.15	300	.15	.122	4000	.058
81-LQG18HN3N3S00D	LQG18HN3N3S00D	3.3	0.15	300	.15	.122	4000	.058
81-LQG18HN3N9S00D	LQG18HN3N9S00D	3.9	0.15	300	.17	.143	4000	.068
81-LQG18HN4N7S00D	LQG18HN4N7S00D	4.7	0.2	300	.15	.122	4000	.058
81-LQG18HN5N6S00D	LQG18HN5N6S00D	5.6	0.2	300	.15	.122	4000	.058
81-LQG18HN6N8J00D	LQG18HN6N8J00D	6.8	0.25	300	.15	.122	4000	.058
81-LQG18HN8N2J00D	LQG18HN8N2J00D	8.2	0.25	300	.15	.122	4000	.058
81-LQG18HN10NJ00D	LQG18HN10NJ00D	10.0	0.3	300	.15	.122	4000	.058
81-LQG18HN12NJ00D	LQG18HN12NJ00D	12.0	0.35	300	.15	.122	4000	.058
81-LQG18HN15NJ00D	LQG18HN15NJ00D	15.0	0.4	300	.15	.122	4000	.058
81-LQG18HN18NJ00D	LQG18HN18NJ00D	18.0	0.45	300	.15	.122	4000	.058
81-LQG18HN22NJ00D	LQG18HN22NJ00D	22.0	0.5	300	.15	.122	4000	.058
81-LQG18HN27NJ00D	LQG18HN27NJ00D	27.0	0.55	300	.15	.122	4000	.058
81-LQG18HN33NJ00D	LQG18HN33NJ00D	33.0	0.6	300	.15	.122	4000	.058
81-LQG18HN39NJ00D	LQG18HN39NJ00D	39.0	0.65	300	.17	.143	4000	.068
81-LQG18HN47NJ00D	LQG18HN47NJ00D	47.0	0.7	300	.17	.143	4000	.068

## LQH SERIES CHOKE WINDING TYPE FERRITE CORE

The LQH31C series consists of miniature chip inductors with low DC resistance, high current capacity, and high impedance characteristics. It is suitable for use as choke coils in DC power supply circuits.

DIMENSIONS: mm

Series	A	B	C	D	E	F
LQH31CN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32CN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (nH)	Tol. (%)	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
<b>1206</b>											
81-LQH31CN1R0M03L			1.0	20	0.28	510	.77	.597	.49	2000	.437
81-LQH31CN2R2M03L			2.2	20	0.41	430	.77	.597	.49	2000	.437
81-LQH31CN10K03L			10	10	1.3	230	.77	.597	.49	2000	.437
81-LQH31CN47K03L			47	10	8	100	.77	.597	.49	2000	.437
81-LQH31CN101K03L			100	10	12	80	.77	.597	.49	2000	.437

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (nH)	Tol. (%)	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
<b>1210</b>											
81-LQH32CNR15M33L			0.15	20	0.028	1450	.27	.242	.226	2000	.107
81-LQH32CNR47M33L			0.47	20	0.042	1100	.27	.242	.226	2000	.107
81-LQH32CNR10M23L			1.0	20	0.09	800	.27	.242	.226	2000	.107

## PLA10 SERIES - COMMON MODE CHOKE COILS

### Features:

- Compact and lightweight
- Low profile in vertical core layout
- Both a standard winding type and a sectional winding for higher frequency noise is available

### Specifications:

- Operating Temperature Range: -25°C to 60°C



\* Safety standards: EN60065

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Fig.	Common Mode Inductance (min.) (mH)	Rated Voltage (V)	Rated Current (A)	Price Each		
							1	10	25
<b>Standard Winding</b>									
81-PLA10AN1522R0R2B			A	1.5	300	2.0	1.57	1.53	1.48
81-PLA10AN2221R5R2B			A	2.2	300	1.5	1.57	1.53	1.48
81-PLA10AN3021R3R2B			A	3.0	300	1.3	1.57	1.53	1.48
81-PLA10AN3521R2R2B			A	3.5	300	1.2	1.57	1.53	1.48
81-PLA10AN5521R0R2B			A	5.5	300	1.0	1.57	1.53	1.48
81-PLA10AN7420R8R2B			A	7.4	300	0.8	1.57	1.53	1.48
81-PLA10AN1030R7R2B			A	10.0	300	0.7	1.57	1.53	1.48
81-PLA10AN2030R5R2B			A	20.0	300	0.5	1.57	1.53	1.48
81-PLA10AN3030R4R2B			A	30.0	300	0.4	1.57	1.53	1.48
81-PLA10AN4330R3R2B			A	43.0	300	0.3	1.57	1.53	1.48
* 81-PLA10AS1522R									