

# MURATA SMD Inductors

RoHS Compliant This product is RoHS compliant.



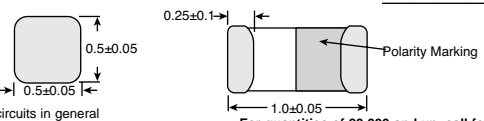
## LQG HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL (CONT.)

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.

### DIMENSIONS: mm



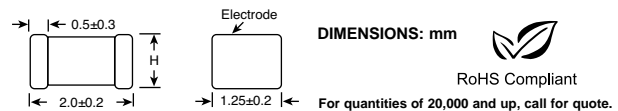
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	1000		
81-LQG15HN2N7S02D	LQG15HN2N7S02D	0402	2.7	0.3nH	8	100	6000	0.15	300					10000	
81-LQG15HN3N3S02D	LQG15HN3N3S02D	0402	3.3	0.3nH	8	100	6000	0.17	300					10000	
81-LQG15HN3N9S02D	LQG15HN3N9S02D	0402	3.9	0.3nH	8	100	6000	0.18	300					10000	
81-LQG15HN4N7S02D	LQG15HN4N7S02D	0402	4.7	0.3nH	8	100	6000	0.18	300					10000	
81-LQG15HN7N5J02D	LQG15HN7N5J02D	0402	7.5	5%	8	100	4500	0.24	300					10000	
81-LQG15HN8N2J02D	LQG15HN8N2J02D	0402	8.2	5%	8	100	3700	0.24	300					10000	
81-LQG15HN15NJ02D	LQG15HN15NJ02D	0402	15	5%	8	100	2500	0.32	300					10000	
81-LQG15HN68NJ02D	LQG15HN68NJ02D	0402	68	5%	8	100	800	0.92	180					10000	
81-LQG18HN1N2S00	LQG18HN1N2S00D	0603	1.2	0.3nH	12	100	6000	0.10	300					4000	
81-LQG11A1N5S00	LQG18HN1N5S00D	0603	1.5	0.3nH	12	100	6000	0.10	300					4000	
81-LQG18HN1N8S00D	LQG18HN1N8S00D	0603	1.8	0.3nH	12	100	6000	0.10	300					4000	
81-LQG11A2N2S00	LQG18HN2N2S00D	0603	2.2	0.3nH	12	100	6000	0.10	300					4000	
81-LQG11A2N7S00	LQG18HN2N7S00D	0603	2.7	0.3nH	12	100	6000	0.15	300					4000	
81-LQG11A3N3S00	LQG18HN3N3S00D	0603	3.3	0.3nH	12	100	6000	0.15	300					4000	
81-LQG11A3N9S00	LQG18HN3N9S00D	0603	3.9	0.3nH	12	100	6000	0.15	300					4000	
81-LQG11A4N7S00	LQG18HN4N7S00D	0603	4.7	0.3nH	12	100	6000	0.20	300					4000	
81-LQG18HN5N6S00D	LQG18HN5N6S00D	0603	5.6	0.3nH	12	100	6000	0.20	300					4000	
81-LQG18HN6N8J00D	LQG18HN6N8J00D	0603	6.8	5%	12	100	5000	0.25	300					4000	
81-LQG18HN8N2J00D	LQG18HN8N2J00D	0603	8.2	5%	12	100	3500	0.25	300					4000	
81-LQG11A10NJ00	LQG18HN10NJ00D	0603	10	5%	12	100	3500	0.30	300					4000	
81-LQG11A12NJ00	LQG18HN12NJ00D	0603	12	5%	12	100	3000	0.35	300					4000	
81-LQG11A15NJ00	LQG18HN15NJ00D	0603	15	5%	12	100	2800	0.40	300					4000	
81-LQG18HN18NJ00D	LQG18HN18NJ00D	0603	18	5%	12	100	2800	0.45	300					4000	
81-LQG18HN22NJ00	LQG18HN22NJ00D	0603	22	5%	12	100	2300	0.50	300					4000	
81-LQG18HN27NJ00D	LQG18HN27NJ00D	0603	27	5%	12	100	2300	0.55	300					4000	
81-LQG11A33NJ00	LQG18HN33NJ00D	0603	33	5%	12	100	1700	0.60	300					4000	
81-LQG18HN39NJ00D	LQG18HN39NJ00D	0603	39	5%	12	100	1700	0.65	300					4000	
81-LQG18HN47NJ00D	LQG18HN47NJ00D	0603	47	5%	12	100	1700	0.70	300					4000	

## LQM SERIES MULTILAYER TYPE FOR CHOKE FERRITE CORE

The LQM21D series consists of magnetically shielded chip inductors. It has less than half the DC resistance of our conventional monolithic chip inductors as well as high inductance.

Inductance	Dimension of H
1.0 to 10µH	0.85±0.2
22 to 47µH	1.25±0.2



For quantities of 20,000 and up, call for quote.

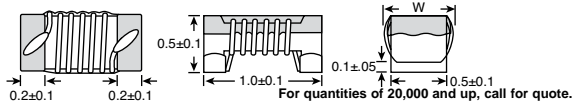
MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	1000		
81-LQM18NN47NM00D	LQM18NN47NM00D	0603	47nH	20%	10	50	260	0.30	50					4000	
81-LQM18NNR10K00D	LQM18NNR10K00D	0603	0.10	10%	15	25	240	0.50	50					4000	
81-LQM18NNR56K00D	LQM18NNR56K00D	0603	0.56	10%	15	25	95	1.55	35					4000	
81-LQM18NNR2R2K00D	LQM18NNR2R2K00D	0603	2.20	10%	35	10	50	1.15	15					4000	
81-LQG21NR10K10	LQM21NRR10K10D	0805	0.10	10%	20	25	340	0.26	250					4000	
81-LQG21NR15K10	LQM21NRR15K10D	0805	0.15	10%	20	25	270	0.32	250					4000	
81-LQM21NRR18K10D	LQM21NRR18K10D	0805	0.18	10%	20	25	250	0.35	250					4000	
81-LQG21NR22K10	LQM21NRR22K10D	0805	0.22	10%	20	25	220	0.38	250					4000	
81-LQG21NR39K10	LQM21NRR39K10D	0805	0.39	10%	25	25	165	0.53	200					4000	
81-LQG21NR47K10	LQM21NRR47K10D	0805	0.47	10%	25	25	150	0.57	200					4000	
81-LQG21NR56K10	LQM21NRR56K10D	0805	0.56	10%	25	25	140	0.63	150					4000	
81-LQM21NRR68K10D	LQM21NRR68K10D	0805	0.68	10%	25	25	125	0.72	150					4000	
81-LQG21NR82K10	LQM21NRR82K10D	0805	0.82	10%	25	25	115	0.81	150					4000	
81-LQM21FN1R0N00D	LQM21FN1R0N00D	0805	1.0	30%	45	10	107	0.40	50					4000	
81-LQG21C1R0N00	LQM21DN1R0N00D	0805	1.0	30%	-	-	75	0.10	60					4000	
81-LQG21N1R0K10	LQM21NN1R0K10D	0805	1.0	10%	45	10	107	0.40	50					4000	
81-LQG21N1R2K10	LQM21NN1R2K10D	0805	1.2	10%	45	10	97	0.47	50					4000	
81-LQG21N1R5K10	LQM21NN1R5K10D	0805	1.5	10%	45	10	87	0.50	50					4000	
81-LQG21C2R2N00	LQM21DN2R2N00D	0805	2.2	30%	-	-	50	0.17	40					4000	
81-LQG21N2R2K10	LQM21NN2R2K10D	0805	2.2	10%	45	10	71	0.63	30					4000	
81-LQG21N2R7K10	LQM21NN2R7K10L	0805	2.7	10%	45	10	66	0.69	30					3000	
81-LQG21N3R3K10	LQM21NN3R3K10L	0805	3.3	10%	45	10	59	0.80	30					3000	
81-LQM21FN4R7N00L	LQM21FN4R7N00L	0805	4.7	30%	-	1	25	0.30	80					3000	
81-LQG21C4R7N00	LQM21DN4R7N00D	0805	4.7	30%	-	-	35	0.30	30					4000	
81-LQG21N4R7K10	LQM21NN4R7K10L	0805	4.7	10%	45	10	47	1.00	30					3000	
81-LQM21FN100N00L	LQM21FN100N00L	0805	10	30%	-	1	15	0.50	60					3000	
81-LQG21C100N00	LQM21DN100N00D	0805	10	30%	-	-	24	0.50	15					4000	
81-LQG21C220N00	LQM21DN220N00L	0805	22	30%	-	-	16	0.65	13					3000	

## LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

The LQW 15A series consists of air core chip coil using a miniature alumina core. The LQW15A series has a high Q value in high frequency range and high self resonant frequency.

Inductance (nH)	Dimension of W
1.5-22, 100, 120	0.6±0.1
24-82	0.5±0.1

### DIMENSIONS: mm



For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	1000		
81-LQW15AN1N5D00D	LQW15AN1N5D00D	0402	1.5	0.5nH	10	100	18	0.03	1000					10000	
81-LQW15AN2N7D00D	LQW15AN2N7D00D	0402	2.7	0.5nH	20	100	15	0.05	850					10000	
81-LQW15AN4N3C00D	LQW15AN4N3C00D	0402	4.3	0.2nH	25	100	10	0.07	750					10000	
81-LQW15AN4N7C00D	LQW15AN4N7C00D	0402	4.7	0.2nH	25	100	8	0.07	750					10000	
81-LQW15AN5N1D00D	LQW15AN5N1D00D	0402	5.1	0.5nH	25	100	8	0.12	600					10000	
81-LQW15AN6N2D00D	LQW15AN6N2D00D	0402	6.2	0.5nH	25	100	8	0.09	700					10000	
81-LQW15AN6N8J00D	LQW15AN6N8J00D	0402	6.8	5%	25	100	6	0.09	700					10000	
81-LQW15AN7N5J00D	LQW15AN7N5J00D	0402	7.5	5%	25	100	6	0.13	570					10000	
81-LQW15AN9N1J00D	LQW15AN9N1J00D	0402	9.1	5%	25	100	5.5	0.14	540					10000	

