

# MURATA SMD Inductors



This product is RoHS compliant.

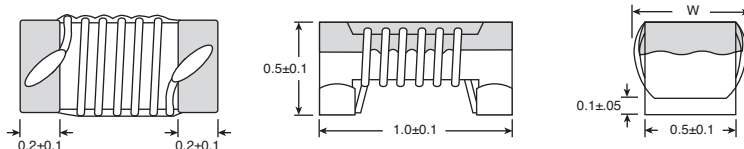


## LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

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 greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
<b>Case 0402</b>										
81	LQW15AN15N00D	1.5	0.5nH	0.03	1000	.27	.238	.222	10000	.106
81	LQW15AN27D00D	2.7	0.5nH	0.05	850	.27	.238	.222	10000	.106
81	LQW15AN43C00D	4.3	0.2nH	0.07	750	.28	.25	.234	10000	.111
81	LQW15AN47C00D	4.7	0.2nH	0.07	750	.28	.25	.234	10000	.111
81	LQW15AN51D00D	5.1	0.5nH	0.12	600	.27	.238	.222	10000	.106
81	LQW15AN62D00D	6.2	0.5nH	0.09	700	.27	.238	.222	10000	.106
81	LQW15AN68J00D	6.8	5%	0.09	700	.27	.238	.222	10000	.106
81	LQW15AN75J00D	7.5	5%	0.13	570	.27	.238	.222	10000	.106
81	LQW15AN91J00D	9.1	5%	0.14	540	.27	.238	.222	10000	.106
81	LQW15AN10N00D	10	5%	0.17	500	.27	.238	.222	10000	.106
81	LQW15AN12N00D	12	5%	0.14	500	.27	.238	.222	10000	.106
81	LQW15AN15N00D	15	5%	0.16	460	.27	.238	.222	10000	.106
81	LQW15AN18N00D	18	5%	0.27	370	.27	.238	.222	10000	.106
81	LQW15AN22N00D	22	5%	0.30	310	.27	.238	.222	10000	.106
81	LQW15AN27N00D	27	5%	0.52	280	.27	.238	.222	10000	.106
81	LQW15AN33N00D	33	5%	0.63	260	.27	.238	.222	10000	.106
81	LQW15AN39N00D	39	5%	0.70	250	.27	.238	.222	10000	.106
81	LQW15AN47N00D	47	5%	1.08	210	.27	.238	.222	10000	.106
81	LQW15AN56N00D	56	5%	1.17	200	.27	.238	.222	10000	.106
81	LQW15AN68N00D	68	5%	1.96	140	.27	.238	.222	10000	.106

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
<b>Case 0603 (Cont.)</b>										
81	LQW18AN15N00D	15	5%	0.13	600	.28	.246	.23	4000	.109
81	LQW18AN15NG00D	15	2%	0.13	600	.31	.27	.252	4000	.12
81	LQW18AN18N00D	18	5%	0.16	550	.28	.246	.23	4000	.109
81	LQW18AN18NG00D	18	2%	0.16	550	.31	.27	.252	4000	.12
81	LQW18AN22N00D	22	5%	0.17	500	.28	.246	.23	4000	.109
81	LQW18AN22NG00D	22	2%	0.17	500	.31	.23	.19	4000	.126
81	LQW18AN27N00D	27	5%	0.21	440	.28	.246	.23	4000	.109
81	LQW18AN27NG00D	27	2%	0.21	440	.31	.27	.252	4000	.12
81	LQW18AN33N00D	33	5%	0.23	420	.28	.246	.23	4000	.109
81	LQW18AN33NG00D	33	2%	0.23	420	.31	.27	.252	4000	.12
81	LQW18AN36NG00D	36	2%	0.26	400	.31	.27	.252	4000	.12
81	LQW18AN39N00D	39	5%	0.26	400	.28	.246	.23	4000	.109
81	LQW18AN47N00D	47	2%	0.29	380	.31	.27	.252	4000	.12
81	LQW18AN56N00D	56	5%	0.35	360	.28	.246	.23	4000	.109
81	LQW18AN68NG00D	68	2%	0.38	340	.31	.27	.252	4000	.12
81	LQW18AN68N00D	68	5%	0.38	340	.28	.246	.23	4000	.109
81	LQW18AN72N00D	72	5%	0.56	270	.28	.246	.23	4000	.109
81	LQW18AN82NG00D	82	2%	0.60	250	.31	.27	.252	4000	.12
81	LQW18AN91NG00D	91	2%	0.64	230	.31	.27	.252	4000	.12
81	LQW18ANR10J00D	100	5%	0.68	220	.28	.246	.23	4000	.109
81	LQW18ANR10G00D	100	2%	0.68	220	.31	.27	.252	4000	.12
81	LQW18ANR12J00D	120	5%	1.3	180	.28	.246	.23	4000	.109
81	LQW18ANR15G00D	150	2%	1.5	160	.31	.27	.252	4000	.12
81	LQW18ANR18G00D	180	2%	2.2	140	.31	.27	.252	4000	.12
81	LQW18ANR22G00D	220	2%	2.5	120	.31	.27	.252	4000	.12
81	LQW18ANR22J00D	220	5%	2.5	120	.28	.246	.23	4000	.109
81	LQW18ANR27J00D	270	5%	3.4	110	.31	.27	.252	4000	.12
81	LQW18ANR33J00D	330	5%	5.5	85	.31	.27	.252	4000	.12
81	LQW18ANR39J00D	390	5%	6.2	80	.31	.27	.252	4000	.12
81	LQW18ANR47G00D	470	2%	7.0	75	.37	.32	.29	4000	.13
81	LQW18ANR47J00D	470	5%	7.0	75	.31	.27	.252	4000	.12

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
<b>Case 0603</b>										
81	LQW18AN22D00D	2.2	0.5nH	0.049	700	.28	.246	.23	4000	.109
81	LQW18AN36D00D	3.6	0.5nH	0.059	850	.28	.246	.23	4000	.109
81	LQW18AN39C00D	3.9	0.2nH	0.059	850	.31	.27	.252	4000	.12
81	LQW18AN47D00D	4.7	0.5nH	0.059	850	.28	.246	.23	4000	.109
81	LQW18AN56D00D	5.6	0.5nH	0.082	750	.28	.246	.23	4000	.109
81	LQW18AN56C00D	5.6	0.2nH	0.082	750	.31	.27	.252	4000	.12
81	LQW18AN62C00D	6.2	0.2nH	0.082	750	.31	.27	.252	4000	.12
81	LQW18AN62D00D	6.2	0.5nH	0.082	750	.28	.246	.23	4000	.109
81	LQW18AN68C00D	6.8	0.2nH	0.082	750	.31	.27	.252	4000	.12
81	LQW18AN68D00D	6.8	0.5nH	0.082	750	.28	.246	.23	4000	.109
81	LQW18AN75D00D	7.5	0.5nH	0.082	750	.28	.246	.23	4000	.109
81	LQW18AN82D10D	8.2	0.5nH	0.11	650	.29	.26	.237	4000	.131
81	LQW18AN82D00D	8.2	0.5nH	0.11	650	.28	.246	.23	4000	.109
81	LQW18AN87D00D	8.7	0.5nH	0.11	650	.28	.246	.23	4000	.109
81	LQW18AN10N00D	10	5%	0.11	650	.28	.246	.23	4000	.109
81	LQW18AN10NG00D	10	2%	0.11	650	.31	.27	.252	4000	.12
81	LQW18AN12N00D	12	5%	0.13	600	.28	.246	.23	4000	.109
81	LQW18AN12NG00D	12	2%	0.13	600	.31	.27	.252	4000	.12

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
<b>Case 0805</b>										
81	LQW2BHN68ND03L	6.8	0.5nH	0.11	680	.40	.352	.32	2000	.16
81	LQW2BHN15NJ03L	15	5%	0.12	630	.40	.352	.32	2000	.16
81	LQW2BHN27NJ03L	27	5%	0.17	540	.40	.352	.32	2000	.16
81	LQW2BHN33NJ03L	33	5%	0.15	570	.40	.352	.32	2000	.16
81	LQW2BHN56NJ03L	56	5%	0.26	430	.40	.352	.32	2000	.16
81	LQW2BHN68NG03L	68	2%	0.23	460	.74	.469	.43	2000	.213
81	LQW2BHN10J03L	100	5%	0.38	350	.40	.352	.32	2000	.16

## LQW2UA SERIES HIGH FREQUENCY HORIZONTAL WIRE WOUND SMD INDUCTORS

LQW2UA series consists of air-core chip inductor using a alumina core as a bobbin.

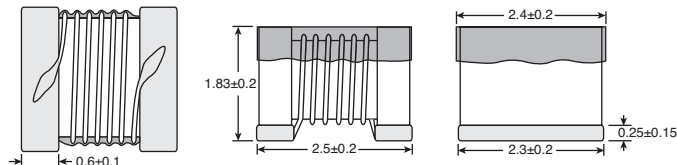
**Features:**

- Inductance: 12 to 4700nH (Wide inductance ranges)
- Because of the high self-resonant frequency, it can be used in high frequency range from several 10MHz to 3GHz.
- Tight inductance tolerance (+/-5%)
- It is easy to mount because the resin is coated on the upper surface.
- Reflow soldering methods can be employed.

**Applications:**

- Impedance Matching: Set Top Box
- Cable Modem

DIMENSIONS: mm



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MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
<b>Case 1008</b>										
81	LQW2UAS12NJ00L	12	5	0.09	1000	.45	.40	.373	2000	.208
81	LQW2UAS18NJ00L	18	5	0.11	1000	.45	.40	.373	2000	.208
81	LQW2UAS22NJ00L	22	5	0.12	1000	.45	.40	.373	2000	.208
81	LQW2UAS27NJ00L	27	5	0.13	1000	.45	.40	.373	2000	.208
81	LQW2UAS33NJ00L	33	5	0.14	1000	.45	.40	.373	2000	.208
81	LQW2UAS39NJ00L	39	5	0.15	1000	.45	.40	.373	2000	.208
81	LQW2UAS47NJ00L	47	5	0.16	1000	.45	.40	.373	2000	.208
81	LQW2UAS56NJ00L	56	5	0.18	1000	.45	.40	.373	2000	.208
81	LQW2UAS68NJ00L	68	5	0.2	1000	.45	.40	.373	2000	.208
81	LQW2UAS82NJ00L	82	5	0.22	1000	.45	.40	.373	2000	.208
81	LQW2UASR10J00L	100	5	0.56	650	.45	.40	.373	2000	.208
81	LQW2UASR12J00L	120	5	0.63	650	.45	.40	.373	2000	.208
81										