

MURATA SMD Inductors



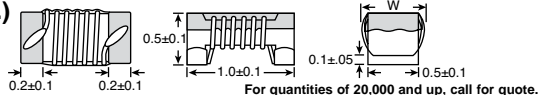
RoHS Compliant This product is RoHS compliant.

LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL (CONT.)

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



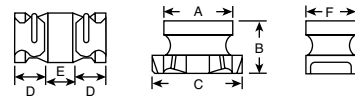
Murata Inductors

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-LQW15AN10NJ00D	LQW15AN10NJ00D	0402	10	5%	25	100	5.5	0.17	500					10000	
81-LQW15AN12NJ00D	LQW15AN12NJ00D	0402	12	5%	30	100	5.5	0.14	500					10000	
81-LQW15AN15NJ00D	LQW15AN15NJ00D	0402	15	5%	30	100	5	0.16	460					10000	
81-LQW15AN18NJ00D	LQW15AN18NJ00D	0402	18	5%	25	100	4.5	0.27	370					10000	
81-LQW15AN22NJ00D	LQW15AN22NJ00D	0402	22	5%	25	100	4	0.30	310					10000	
81-LQW15AN27NJ00D	LQW15AN27NJ00D	0402	27	5%	25	100	3.5	0.52	280					10000	
81-LQW15AN33NJ00D	LQW15AN33NJ00D	0402	33	5%	25	100	3.2	0.63	260					10000	
81-LQW15AN39NJ00D	LQW15AN39NJ00D	0402	39	5%	25	100	3	0.70	250					10000	
81-LQW15AN47NJ00D	LQW15AN47NJ00D	0402	47	5%	25	100	2.9	1.08	210					10000	
81-LQW15AN56NJ00D	LQW15AN56NJ00D	0402	56	5%	25	100	2.8	1.17	200					10000	
81-LQW15AN68NJ00D	LQW15AN68NJ00D	0402	68	5%	20	100	2.5	1.96	140					10000	
81-LQW18AN2ND00D	LQW18AN2ND00D	0603	2.2	0.5nH	16	100	6000	0.049	700					4000	
81-LQW18AN3N6D00D	LQW18AN3N6D00D	0603	3.6	0.5nH	25	100	6000	0.059	850					4000	
81-LQW18AN3N9C00D	LQW18AN3N9C00D	0603	3.9	0.2nH	35	100	6000	0.059	850					4000	
81-LQW18AN4N7D00D	LQW18AN4N7D00D	0603	4.7	0.5nH	35	100	6000	0.059	850					4000	
81-LQW18AN5N6D00D	LQW18AN5N6D00D	0603	5.6	0.5nH	35	100	6000	0.082	750					4000	
81-LQW18AN5N6C00D	LQW18AN5N6C00D	0603	5.6	0.2nH	35	100	6000	0.082	750					4000	
81-LQW18AN6N2C00D	LQW18AN6N2C00D	0603	6.2	0.2nH	35	100	6000	0.082	750					4000	
81-LQW18AN6N2D00D	LQW18AN6N2D00D	0603	6.2	0.5nH	35	100	6000	0.082	750					4000	
81-LQW18AN6N8C00D	LQW18AN6N8C00D	0603	6.8	0.2nH	35	100	6000	0.082	750					4000	
81-LQW18AN6N8D00D	LQW18AN6N8D00D	0603	6.8	0.5nH	35	100	6000	0.082	750					4000	
81-LQW18AN7N5D00D	LQW18AN7N5D00D	0603	7.5	0.5nH	35	100	6000	0.082	750					4000	
81-LQW18AN8N2D10D	LQW18AN8N2D10D	0603	8.2	0.5nH	35	100	6000	0.11	650					4000	
81-LQW18AN8N2D00D	LQW18AN8N2D00D	0603	8.2	0.5nH	35	100	6000	0.11	650					4000	
81-LQW18AN8N7D00D	LQW18AN8N7D00D	0603	8.7	0.5nH	35	100	6000	0.11	650					4000	
81-LQW18AN10NJ00D	LQW18AN10NJ00D	0603	10	5%	35	100	6000	0.11	650					4000	
81-LQW18AN10NG00D	LQW18AN10NG00D	0603	10	2%	35	100	6000	0.11	650					4000	
81-LQW18AN12NJ00D	LQW18AN12NJ00D	0603	12	5%	35	100	6000	0.13	600					4000	
81-LQW18AN12NG00D	LQW18AN12NG00D	0603	12	2%	35	100	6000	0.13	600					4000	
81-LQW18AN15NJ00D	LQW18AN15NJ00D	0603	15	5%	40	100	6000	0.13	600					4000	
81-LQW18AN15NG00D	LQW18AN15NG00D	0603	15	2%	40	100	6000	0.13	600					4000	
81-LQW18AN18NJ00D	LQW18AN18NJ00D	0603	18	5%	40	100	5500	0.16	550					4000	
81-LQW18AN18NG00D	LQW18AN18NG00D	0603	18	2%	40	100	5500	0.16	550					4000	
81-LQW18AN22NJ00D	LQW18AN22NJ00D	0603	22	5%	40	100	4600	0.17	500					4000	
81-LQW18AN22NG00D	LQW18AN22NG00D	0603	22	2%	40	100	4600	0.17	500					4000	
81-LQW18AN27NJ00D	LQW18AN27NJ00D	0603	27	5%	40	100	3700	0.21	440					4000	
81-LQW18AN27NG00D	LQW18AN27NG00D	0603	27	2%	40	100	3700	0.21	440					4000	
81-LQW18AN33NJ00D	LQW18AN33NJ00D	0603	33	5%	40	100	3200	0.23	420					4000	
81-LQW18AN33NG00D	LQW18AN33NG00D	0603	33	2%	40	100	3200	0.23	420					4000	
81-LQW18AN36NG00D	LQW18AN36NG00D	0603	36	2%	40	100	2900	0.26	400					4000	
81-LQW18AN39NJ00D	LQW18AN39NJ00D	0603	39	5%	40	100	2800	0.26	400					4000	
81-LQW18AN47NG00D	LQW18AN47NG00D	0603	47	2%	38	100	2600	0.29	380					4000	
81-LQW18AN56NJ00D	LQW18AN56NJ00D	0603	56	5%	38	100	2400	0.35	360					4000	
81-LQW18AN68NG00D	LQW18AN68NG00D	0603	68	2%	38	100	2200	0.38	340					4000	
81-LQW18AN68NJ00D	LQW18AN68NJ00D	0603	68	5%	38	100	2200	0.38	340					4000	
81-LQW18AN72NJ00D	LQW18AN72NJ00D	0603	72	5%	34	100	2100	0.56	270					4000	
81-LQW18AN82NG00D	LQW18AN82NG00D	0603	82	2%	34	100	2000	0.60	250					4000	
81-LQW18AN91NG00D	LQW18AN91NG00D	0603	91	2%	34	100	1900	0.64	230					4000	
81-LQW18ANR10J00D	LQW18ANR10J00D	0603	100	5%	34	100	1800	0.68	220					4000	
81-LQW18ANR10G00D	LQW18ANR10G00D	0603	100	2%	34	100	1800	0.68	220					4000	
81-LQW18ANR12J00D	LQW18ANR12J00D	0603	120	5%	32	100	1600	1.3	180					4000	
81-LQW18ANR15G00D	LQW18ANR15G00D	0603	150	2%	32	100	1400	1.5	160					4000	
81-LQW18ANR18G00D	LQW18ANR18G00D	0603	180	2%	32	100	1300	2.2	140					4000	
81-LQW18ANR22G00D	LQW18ANR22G00D	0603	220	2%	32	100	1200	2.5	120					4000	
81-LQW18ANR22J00D	LQW18ANR22J00D	0603	220	5%	25	100	1200	2.5	120					4000	
81-LQW18ANR27J00D	LQW18ANR27J00D	0603	270	5%	30	100	960	3.4	110					4000	
81-LQW18ANR33J00D	LQW18ANR33J00D	0603	330	5%	30	100	800	5.5	85					4000	
81-LQW18ANR39J00D	LQW18ANR39J00D	0603	390	5%	30	100	800	6.2	80					4000	
81-LQW18ANR47G00D	LQW18ANR47G00D	0603	470	2%	30	100	700	7.0	75					4000	
81-LQW18ANR47J00D	LQW18ANR47J00D	0603	470	5%	30	100	700	7.0	75					4000	
81-LQW2BHN6N8D03L	LQW2BHN6N8D03L	0805	6.8	0.5nH	20	100	5400	0.11	680					2000	
81-LQW2BHN15NJ03L	LQW2BHN15NJ03L	0805	15	5%	30	100	2700	0.12	630					2000	
81-LQW2BHN27NJ03L	LQW2BHN27NJ03L	0805	27	5%	40	100	2300	0.17	540					2000	
81-LQW2BHN33NJ03L	LQW2BHN33NJ03L	0805	33	5%	40	100	1900	0.15	570					2000	
81-LQW2BHN56NJ03L	LQW2BHN56NJ03L	0805	56	5%	40	100	1500	0.26	430					2000	
81-LQW2BHN68NG03L	LQW2BHN68NG03L	0805	68	2%	40	100	1200	0.23	460					2000	
81-LQW2BHN10J03L	LQW2BHN10J03L	0805	100	5%	40	100	900	0.38	350					2000	

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.

Series	DIMENSIONS: mm					
	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
LQH43CN	3.6±0.2	2.6±0.2	4.5±0.3	1.0 Min.	1.0 Min.	3.2±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	25	50	100		
81-LQH31CN1R0M03L	LQH31CN1R0M03L	1206	1.0	20%	~	1	100	0.28	510					2000	
81-LQH31CN2R2M03L	LQH31CN2R2M03L	1206	2.2	20%	~	1	50	0.41	430					2000	
81-LQH31CN4R7M03L	LQH31CN4R7M03L	1206	4.7	20%	~	1	31	0.65	340					2000	
81-LQH31CN100K03L	LQH31CN100K03L	1206	10	10%	~	1	20	1.3	230					2000	
81-LQH31CN470K03L	LQH31CN470K03L	1206	47	10%	~	1	10	8	100					2000	
81-LQH31CN101K03L	LQH31CN101K03L	1206	100	10%	~	1	7	12	80					2000	
81-LQH32CNR15M33L	LQH32CNR15M33L	1210	0.15	20%	~	1	400	0.028	1450					2000	
81-LQH32CNR47M33L	LQH32CNR47M33L	1210	0.47	20%	~	1	150	0.042	1100					2000	
81-LQH32CN1R0M23L	LQH32CN1R0M23L	1210	1.0	20%	~	1	96	0.09	800					2000	