

# MURATA SMD Inductors

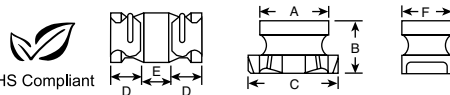


RoHS Compliant This product is RoHS compliant.

## LQH SERIES CHOKE WINDING TYPE FERRITE CORE (CONT.)

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 (µH)	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-LQH44PN1R0NP0L	LQH44PN1R0NP0L	1515	1.0	30%	-	1	90	0.03	2450					2000	
81-LQH44PN2R2MP0L	LQH44PN2R2MP0L	1515	2.2	20%	-	1	70	0.049	1800					2000	
81-LQH44PN3R3MP0L	LQH44PN3R3MP0L	1515	3.3	20%	-	1	50	0.065	1770					2000	
81-LQH44PN4R7MP0L	LQH44PN4R7MP0L	1515	4.7	20%	-	1	40	0.08	1700					2000	
81-LQH44PN6R8MP0L	LQH44PN6R8MP0L	1515	6.8	20%	-	1	35	0.12	1340					2000	
81-LQH44PN100MP0L	LQH44PN100MP0L	1515	10	20%	-	1	25	0.16	1170					2000	
81-LQH44PN220MP0L	LQH44PN220MP0L	1515	22	20%	-	1	17	0.37	790					2000	
81-LQH55PN1R2NR0L	LQH55PN1R2NR0L	2220	1.2	30%	-	100kHz	80	0.021	2900					1000	
81-LQH55PN2R2NR0L	LQH55PN2R2NR0L	2220	2.2	30%	-	100kHz	60	0.031	2500					1000	
81-LQH55PN2R7NR0L	LQH55PN2R7NR0L	2220	2.7	30%	-	100kHz	50	0.04	2150					1000	
81-LQH55PN3R3NR0L	LQH55PN3R3NR0L	2220	3.3	30%	-	100kHz	35	0.044	2000					1000	
81-LQH55PN4R7NR0L	LQH55PN4R7NR0L	2220	4.7	30%	-	100kHz	30	0.06	1750					1000	
81-LQH55PN6R8NR0L	LQH55PN6R8NR0L	2220	6.8	30%	-	100kHz	25	0.087	1450					1000	
81-LQH55PN100MR0L	LQH55PN100MR0L	2220	10	20%	-	100kHz	20	0.11	1250					1000	
81-LQH55PN220MR0L	LQH55PN220MR0L	2220	22	20%	-	100kHz	10	0.26	850					1000	
81-LQH32CN1R0M33L	LQH32CN1R0M33L	1210	1.0	20%	-	1	96	0.09	800					2000	
81-LQH32CN2R2M23L	LQH32CN2R2M23L	1210	2.2	20%	-	1	64	0.13	600					2000	
81-LQH32CN2R2M33L	LQH32CN2R2M33L	1210	2.2	20%	-	1	64	0.13	600					2000	
81-LQH32CN2R2M53L	LQH32CN2R2M53L	1210	2.2	20%	-	1	64	0.13	600					2000	
81-LQH32CN4R7M23L	LQH32CN4R7M23L	1210	4.7	20%	-	1	43	0.20	450					2000	
81-LQH32CN4R7M33L	LQH32CN4R7M33L	1210	4.7	20%	-	1	43	0.20	450					2000	
81-LQH32CN4R7M53L	LQH32CN4R7M53L	1210	4.7	20%	-	1	43	0.20	450					2000	
81-LQH32CN100K23L	LQH32CN100K23L	1210	10	10%	-	1	26	0.44	300					2000	
81-LQH32CN100K33L	LQH32CN100K33L	1210	10	10%	-	1	26	0.44	300					2000	
81-LQH32CN100K53L	LQH32CN100K53L	1210	10	10%	-	1	26	0.44	300					2000	
81-LQH32CN220K23L	LQH32CN220K23L	1210	22	10%	-	1	19	0.71	250					2000	
81-LQH32CN470K23L	LQH32CN470K23L	1210	47	10%	-	1	15	1.3	170					2000	
81-LQH32CN101K23L	LQH32CN101K23L	1210	100	10%	-	1	10	3.5	100					2000	
81-LQH43CN2R2M03L	LQH43CN2R2M03L	1812	2.2	20%	-	1	60	0.11	900					500	
81-LQH43CN4R7M03L	LQH43CN4R7M03L	1812	4.7	20%	-	1	35	0.15	750					500	
81-LQH43CN100K03L	LQH43CN100K03L	1812	10	10%	-	1	23	0.24	650					500	
81-LQH43CN150K03L	LQH43CN150K03L	1812	15	10%	-	1	20	0.32	570					500	
81-LQH43CN220K03L	LQH43CN220K03L	1812	22	10%	-	1	15	0.60	420					500	
81-LQH43CN330K03L	LQH43CN330K03L	1812	33	10%	-	1	12	1.0	310					500	
81-LQH43CN470K03L	LQH43CN470K03L	1812	47	10%	-	1	10	1.1	280					500	
81-LQH43CN101K03L	LQH43CN101K03L	1812	100	10%	-	1	6.8	2.2	190					500	
81-LQH43CN221K03L	LQH43CN221K03L	1812	220	10%	-	1	4.5	4.0	110					500	
81-LQH43CN471K03L	LQH43CN471K03L	1812	470	10%	-	1	3.0	8.5	90					500	
81-LQH55DN1R0M03L	LQH55DN1R0M03L	2220	1.0	20%	-	1	150	0.019	4000					350	
81-LQH55DN3R3M03L	LQH55DN3R3M03L	2220	3.3	20%	-	1	40	0.036	2900					350	
81-LQH55DN4R7M03L	LQH55DN4R7M03L	2220	4.7	20%	-	1	30	0.041	2700					350	
81-LQH55DN330M03L	LQH55DN330M03L	2220	33	20%	-	1	12	0.32	900					350	
81-LQH55DN470M03L	LQH55DN470M03L	2220	47	20%	-	1	10	0.40	800					350	
81-LQH55DN101M03L	LQH55DN101M03L	2220	100	20%	-	1	6.5	0.86	560					350	
81-LQH55DN331M03L	LQH55DN331M03L	2220	330	20%	-	1	3.1	4.4	270					350	
81-LQH55DN103M03L	LQH55DN103M03L	2220	1000	20%	-	1	0.5	100	50					350	
81-LQH31MN100K03L	LQH31MN100K03L	1206	10	10%	35	5	20	2.5	100					2000	
81-LQH31MN470K03L	LQH31MN470K03L	1206	47	10%	40	2.5	10	8	55					2000	
81-LQH31MN101K03L	LQH31MN101K03L	1206	100	10%	40	2.5	7	12	45					2000	
81-LQH32MN1R0M23L	LQH32MN1R0M23L	1210	1.0	20%	20	1	100	0.50	445					2000	
81-LQH32MN4R7K23L	LQH32MN4R7K23L	1210	4.7	10%	20	1	31	1.2	270					2000	
81-LQH32MN100J23L	LQH32MN100J23L	1210	10	0.05	35	1	20	1.8	190					2000	
81-LQH32MN100K23L	LQH32MN100K23L	1210	10	10%	35	1	20	1.8	190					2000	
81-LQH32MN470J23L	LQH32MN470J23L	1210	47	0.05	40	1	11	4.3	170					2000	
81-LQH32MN680J23L	LQH32MN680J23L	1210	68	0.05	40	1	9	5.5	80					2000	
81-LQH32MN820J23L	LQH32MN820J23L	1210	82	0.05	40	1	8.5	6.2	70					2000	
81-LQH32MN101J23L	LQH32MN101J23L	1210	100	0.05	40	1	8	7.0	80					2000	
81-LQH32MN101K23L	LQH32MN101K23L	1210	100	10%	40	1	8	7.0	80					2000	
81-LQH32MN221J23L	LQH32MN221J23L	1210	220	0.05	40	1	5.5	11.8	65					2000	
81-LQH32MN221K23L	LQH32MN221K23L	1210	220	10%	40	1	5.5	11.8	65					2000	
81-LQH43MN1R0M03L	LQH43MN1R0M03L	1812	1.0	20%	20	1	120	0.20	500					500	
81-LQH43MN4R7K03L	LQH43MN4R7K03L	1812	4.7	10%	30	1	38	0.40	500					500	
81-LQH43MN100K03L	LQH43MN100K03L	1812	10	10%	35	1	23	0.56	400					500	
81-LQH43MN150K03L	LQH43MN150K03L	1812	15	10%	35	1	19	0.73	360					500	
81-LQH43MN220K03L	LQH43MN220K03L	1812	22	10%	35	1	15	0.94	320					500	
81-LQH43MN330K03L	LQH43MN330K03L	1812	33	10%	35	1	12	1.2	270					500	
81-LQH43MN470J03L	LQH43MN470J03L	1812	47	5%	35	1	10	1.5	220					500	
81-LQH43MN101J03L	LQH43MN101J03L	1812	100	5%	40	1	6.8	2.5	160					500	
81-LQH43MN101K03L	LQH43MN101K03L	1812	100	10%	40	1	6.8	2.5	160					500	
81-LQH43MN151K03L	LQH43MN151K03L	1812	150	10%	40	1	5.5	3.7	130					500	
81-LQH43MN221J03L	LQH43MN221J03L	1812	220	5%	40	1	4.5	5.4	110					500	
81-LQH43MN331J03L	LQH43MN331J03L	1812	330	5%	40	1	3.6	8.2	95					500	
81-LQH43MN561K03L	LQH43MN561K03L	1812	560	10%	40	1	2.7	14.5	70					500	
81-LQH43MN681J03L	LQH43MN681J03L	1812	680	5%	40	1	2.5	17	65					500	
81-LQH43MN102J03L	LQH43MN102J03L	1812	1000	5%	40	1	2.0	25	50					500	
81-LQH43MN102K03L	LQH43MN102K03L	1812	1000	10%	40	1	2.0	25	50					500	
81-LQH43NN222K03L	LQH43NN222K03L	1812	2200	10%	40	1	1.3	50	30					500	
81-LQH66SN2R2M03L	LQH66SN2R2M03L	2525	2.2	20%	-	1	80	0.019	3300					350	
81-LQH66SN4R7M03L	LQH66SN4R7M03L	2525	4.7	20%	-	1	30	0.025	2200					350	
81-LQH66SN150M03L	LQH66SN150M03L	2525	15	20%	-	1	17	0.069	1300					350	
81-LQH66SN220M03L	LQH66SN220M03L	2525	22	20%	-	1	15	0.087	1100					350	
81-LQH66SN330M03L	LQH66SN330M03L	2525	33	20%	-	1	12	0.14	860					350	
81-LQH66SN101M03L	LQH66SN101M03L	2525	100	20%	-	1	6.5	0.36	520					350	