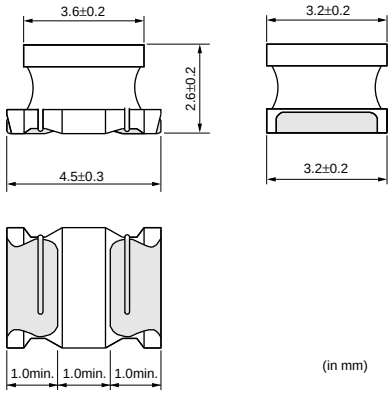
LQH43M/N Series

LQH43M/N series consists of winding type chip coils for general use by Murata's original auto winding technology and ferrite core.



(in mm)

■ Features

1. High Q value at high frequency and low DC resistance
2. Wide inductance range from 1.0 to 2200 micro H
3. Large current and large inductance

Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Q (min.)	Test Frequency	Self Resonance Frequency (min.) (MHz)	EIA
LQH43MN1R0M03	1.0 ±20%	1MHz	500	0.20 max.	20	1MHz	120	1812
LQH43MN1R2M03	1.2 ±20%	1MHz	500	0.20 max.	20	1MHz	100	1812
LQH43MN1R5M03	1.5 ±20%	1MHz	500	0.30 max.	20	1MHz	85	1812
LQH43MN1R8M03	1.8 ±20%	1MHz	500	0.30 max.	20	1MHz	75	1812
LQH43MN2R2M03	2.2 ±20%	1MHz	500	0.30 max.	20	1MHz	62	1812
LQH43MN2R7M03	2.7 ±20%	1MHz	500	0.32 max.	20	1MHz	53	1812
LQH43MN3R3M03	3.3 ±20%	1MHz	500	0.35 max.	20	1MHz	47	1812
LQH43MN3R9M03	3.9 ±20%	1MHz	500	0.38 max.	20	1MHz	41	1812
LQH43MN4R7K03	4.7 ±10%	1MHz	500	0.40 max.	30	1MHz	38	1812
LQH43MN5R6K03	5.6 ±10%	1MHz	500	0.47 max.	30	1MHz	33	1812
LQH43MN6R8K03	6.8 ±10%	1MHz	450	0.50 max.	30	1MHz	31	1812
LQH43MN8R2K03	8.2 ±10%	1MHz	450	0.56 max.	30	1MHz	27	1812
LQH43MN100J03	10 ±5%	1MHz	400	0.56 max.	35	1MHz	23	1812
LQH43MN100K03	10 ±10%	1MHz	400	0.56 max.	35	1MHz	23	1812
LQH43MN120J03	12 ±5%	1MHz	380	0.62 max.	35	1MHz	21	1812
LQH43MN120K03	12 ±10%	1MHz	380	0.62 max.	35	1MHz	21	1812
LQH43MN150J03	15 ±5%	1MHz	360	0.73 max.	35	1MHz	19	1812
LQH43MN150K03	15 ±10%	1MHz	360	0.73 max.	35	1MHz	19	1812
LQH43MN180J03	18 ±5%	1MHz	340	0.82 max.	35	1MHz	17	1812
LQH43MN180K03	18 ±10%	1MHz	340	0.82 max.	35	1MHz	17	1812
LQH43MN220J03	22 ±5%	1MHz	320	0.94 max.	35	1MHz	15	1812
LQH43MN220K03	22 ±10%	1MHz	320	0.94 max.	35	1MHz	15	1812
LQH43MN270J03	27 ±5%	1MHz	300	1.1 max.	35	1MHz	14	1812
LQH43MN270K03	27 ±10%	1MHz	300	1.1 max.	35	1MHz	14	1812
LQH43MN330J03	33 ±5%	1MHz	270	1.2 max.	35	1MHz	12	1812
LQH43MN330K03	33 ±10%	1MHz	270	1.2 max.	35	1MHz	12	1812
LQH43MN390J03	39 ±5%	1MHz	240	1.4 max.	35	1MHz	11	1812
LQH43MN390K03	39 ±10%	1MHz	240	1.4 max.	35	1MHz	11	1812
LQH43MN470J03	47 ±5%	1MHz	220	1.5 max.	35	1MHz	10	1812
LQH43MN470K03	47 ±10%	1MHz	220	1.5 max.	35	1MHz	10	1812
LQH43MN560J03	56 ±5%	1MHz	200	1.7 max.	35	1MHz	9.3	1812
LQH43MN560K03	56 ±10%	1MHz	200	1.7 max.	35	1MHz	9.3	1812
LQH43MN680J03	68 ±5%	1MHz	180	1.9 max.	35	1MHz	8.4	1812
LQH43MN680K03	68 ±10%	1MHz	180	1.9 max.	35	1MHz	8.4	1812
LQH43MN820J03	82 ±5%	1MHz	170	2.2 max.	35	1MHz	7.5	1812
LQH43MN820K03	82 ±10%	1MHz	170	2.2 max.	35	1MHz	7.5	1812
LQH43MN101J03	100 ±5%	1MHz	160	2.5 max.	40	796kHz	6.8	1812
LQH43MN101K03	100 ±10%	1MHz	160	2.5 max.	40	796kHz	6.8	1812
LQH43MN121J03	120 ±5%	1MHz	150	3.0 max.	40	796kHz	6.2	1812
LQH43MN121K03	120 ±10%	1MHz	150	3.0 max.	40	796kHz	6.2	1812
LQH43MN151J03	150 ±5%	1MHz	130	3.7 max.	40	796kHz	5.5	1812
LQH43MN151K03	150 ±10%	1MHz	130	3.7 max.	40	796kHz	5.5	1812

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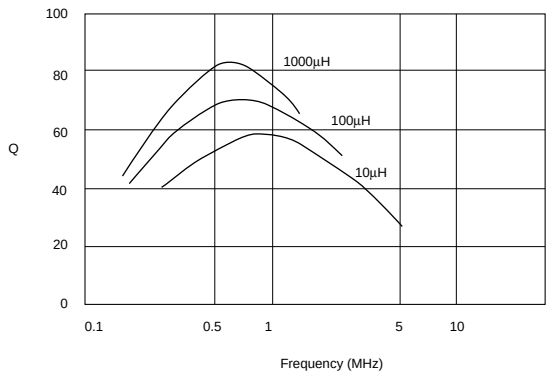
Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Q (min.)	Test Frequency	Self Resonance Frequency (min.) (MHz)	EIA
LQH43MN181J03	180 ±5%	1MHz	120	4.5 max.	40	796kHz	5	1812
LQH43MN181K03	180 ±10%	1MHz	120	4.5 max.	40	796kHz	5	1812
LQH43MN221J03	220 ±5%	1MHz	110	5.4 max.	40	796kHz	4.5	1812
LQH43MN221K03	220 ±10%	1MHz	110	5.4 max.	40	796kHz	4.5	1812
LQH43MN271J03	270 ±5%	1MHz	100	6.8 max.	40	796kHz	4	1812
LQH43MN271K03	270 ±10%	1MHz	100	6.8 max.	40	796kHz	4	1812
LQH43MN331J03	330 ±5%	1MHz	95	8.2 max.	40	796kHz	3.6	1812
LQH43MN331K03	330 ±10%	1MHz	95	8.2 max.	40	796kHz	3.6	1812
LQH43MN391J03	390 ±5%	1MHz	90	9.7 max.	40	796kHz	3.3	1812
LQH43MN391K03	390 ±10%	1MHz	90	9.7 max.	40	796kHz	3.3	1812
LQH43MN471J03	470 ±5%	1kHz	80	11.8 max.	40	796kHz	3	1812
LQH43MN471K03	470 ±10%	1kHz	80	11.8 max.	40	796kHz	3	1812
LQH43MN561J03	560 ±5%	1kHz	70	14.5 max.	40	796kHz	2.7	1812
LQH43MN561K03	560 ±10%	1kHz	70	14.5 max.	40	796kHz	2.7	1812
LQH43MN681J03	680 ±5%	1kHz	65	17.0 max.	40	796kHz	2.5	1812
LQH43MN681K03	680 ±10%	1kHz	65	17.0 max.	40	796kHz	2.5	1812
LQH43MN821J03	820 ±5%	1kHz	60	20.5 max.	40	796kHz	2.2	1812
LQH43MN821K03	820 ±10%	1kHz	60	20.5 max.	40	796kHz	2.2	1812
LQH43MN102J03	1000 ±5%	1kHz	50	25.0 max.	40	252kHz	2	1812
LQH43MN102K03	1000 ±10%	1kHz	50	25.0 max.	40	252kHz	2	1812
LQH43MN122J03	1200 ±5%	1kHz	45	30.0 max.	40	252kHz	1.8	1812
LQH43MN122K03	1200 ±10%	1kHz	45	30.0 max.	40	252kHz	1.8	1812
LQH43MN152J03	1500 ±5%	1kHz	40	37.0 max.	40	252kHz	1.6	1812
LQH43MN152K03	1500 ±10%	1kHz	40	37.0 max.	40	252kHz	1.6	1812
LQH43NN182J03	1800 ±5%	1kHz	35	45.0 max.	40	252kHz	1.5	1812
LQH43NN182K03	1800 ±10%	1kHz	35	45.0 max.	40	252kHz	1.5	1812
LQH43NN222J03	2200 ±5%	1kHz	30	50.0 max.	40	252kHz	1.3	1812
LQH43NN222K03	2200 ±10%	1kHz	30	50.0 max.	40	252kHz	1.3	1812

Operating Temp. Range : -25°C to +85°C

■ Q-Frequency Characteristics



■ Inductance-Current Characteristics