

# Chip Coils

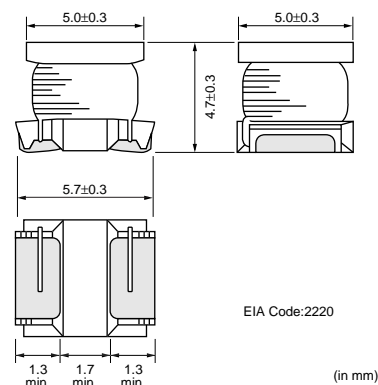


## for Choke Winding/Magnetic Shielded Type LQH55D/LQH66S Series

### LQH55D Series

#### ■ Features

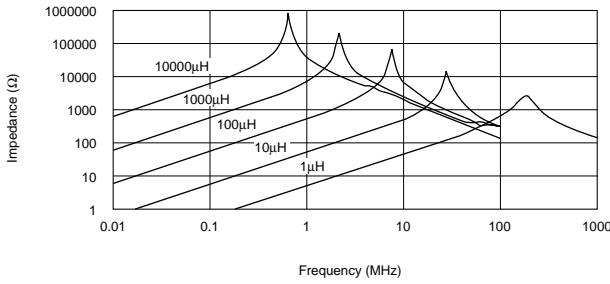
The LQH55D series are choke inductors which have achieved low direct current resistance, large current capacity and large inductance by using high performance thick wire winding technology. They are optimum for use as choke inductors in DC/DC converters and DC power supply circuits.



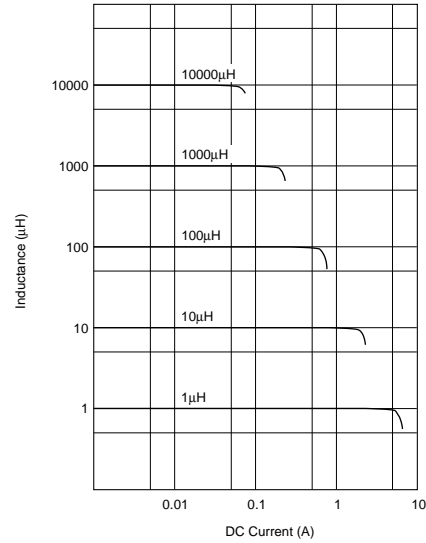
Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH55DNR12M01	0.12 ±20%	1MHz	6000	0.007 ±40%	450 min.	2220
LQH55DNR27M01	0.27 ±20%	1MHz	5300	0.010 ±40%	300 min.	2220
LQH55DNR47M01	0.47 ±20%	1MHz	4800	0.013 ±40%	200 min.	2220
LQH55DN1R0M01	1.0 ±20%	1MHz	4000	0.019 ±40%	150 min.	2220
LQH55DN1R5M01	1.5 ±20%	1MHz	3700	0.022 ±40%	110 min.	2220
LQH55DN2R2M01	2.2 ±20%	1MHz	3200	0.029 ±40%	80 min.	2220
LQH55DN3R3M01	3.3 ±20%	1MHz	2900	0.036 ±40%	40 min.	2220
LQH55DN4R7M01	4.7 ±20%	1MHz	2700	0.041 ±40%	30 min.	2220
LQH55DN6R8M01	6.8 ±20%	1MHz	2000	0.074 ±40%	25 min.	2220
LQH55DN100M01	10 ±20%	1MHz	1700	0.093 ±40%	20 min.	2220
LQH55DN150M01	15 ±20%	1MHz	1400	0.15 ±40%	17 min.	2220
LQH55DN220M01	22 ±20%	1MHz	1200	0.19 ±40%	15 min.	2220
LQH55DN330M01	33 ±20%	1MHz	900	0.32 ±40%	12 min.	2220
LQH55DN470M01	47 ±20%	1MHz	800	0.40 ±40%	10 min.	2220
LQH55DN680M01	68 ±20%	1MHz	640	0.67 ±40%	7.6 min.	2220
LQH55DN101M01	100 ±20%	100kHz	560	0.86 ±40%	6.5 min.	2220
LQH55DN151M01	150 ±20%	100kHz	420	1.9 ±40%	5.0 min.	2220
LQH55DN221M01	220 ±20%	100kHz	320	2.4 ±40%	4.0 min.	2220
LQH55DN331M01	330 ±20%	100kHz	270	4.4 ±40%	3.1 min.	2220
LQH55DN471M01	470 ±20%	100kHz	240	5.4 ±40%	2.4 min.	2220
LQH55DN681M01	680 ±20%	100kHz	190	8.1 ±40%	1.9 min.	2220
LQH55DN102M01	1000 ±20%	10kHz	150	10.3 ±40%	1.7 min.	2220
LQH55DN222M01	2200 ±20%	10kHz	100	21.5 ±40%	1.2 min.	2220
LQH55DN472M01	4700 ±20%	10kHz	70	43.6 ±40%	0.8 min.	2220
LQH55DN103M01	10000 ±20%	10kHz	50	100 ±40%	0.5 min.	2220

Operating Temp. Range : -25°C to 80°C

### ■ Impedance-Frequency Characteristics



### ■ Inductance-Current Characteristics

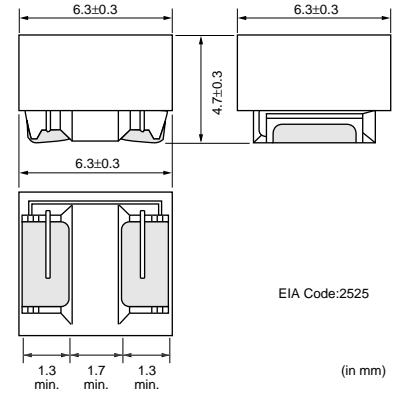


## LQH66S Series

### ■ Features

The LQH66S series are choke inductors which have achieved low direct current resistance, large current capacity and large inductance by using high performance thick wire winding technology.

Because the LQH66S series has a magnetic shielded construction, it can be mounted in high density without interference occurring between peripheral components. They are optimum for use as choke inductors in DC/DC converters and DC power supply circuits.



Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (MHz)	EIA
LQH66SNR27M01	0.27 ±20%	1MHz	6000	0.007 ±40%	300 min.	2525
LQH66SNR68M01	0.68 ±20%	1MHz	5300	0.010 ±40%	180 min.	2525
LQH66SN1R0M01	1.0 ±20%	1MHz	4700	0.013 ±40%	150 min.	2525
LQH66SN1R5M01	1.5 ±20%	1MHz	3800	0.016 ±40%	110 min.	2525
LQH66SN2R2M01	2.2 ±20%	1MHz	3300	0.019 ±40%	80 min.	2525
LQH66SN3R3M01	3.3 ±20%	1MHz	2600	0.022 ±40%	40 min.	2525
LQH66SN4R7M01	4.7 ±20%	1MHz	2200	0.025 ±40%	30 min.	2525
LQH66SN6R8M01	6.8 ±20%	1MHz	1800	0.029 ±40%	25 min.	2525
LQH66SN100M01	10 ±20%	1MHz	1600	0.036 ±40%	20 min.	2525
LQH66SN150M01	15 ±20%	1MHz	1300	0.069 ±40%	17 min.	2525
LQH66SN220M01	22 ±20%	1MHz	1100	0.087 ±40%	15 min.	2525
LQH66SN330M01	33 ±20%	1MHz	860	0.14 ±40%	12 min.	2525
LQH66SN470M01	47 ±20%	1MHz	760	0.17 ±40%	10 min.	2525
LQH66SN680M01	68 ±20%	1MHz	600	0.29 ±40%	7.6 min.	2525
LQH66SN101M01	100 ±20%	100kHz	520	0.36 ±40%	6.5 min.	2525
LQH66SN151M01	150 ±20%	100kHz	420	0.63 ±40%	5.0 min.	2525
LQH66SN221M01	220 ±20%	100kHz	350	0.79 ±40%	4.0 min.	2525
LQH66SN331M01	330 ±20%	100kHz	280	1.8 ±40%	3.2 min.	2525
LQH66SN471M01	470 ±20%	100kHz	240	2.2 ±40%	2.5 min.	2525
LQH66SN681M01	680 ±20%	100kHz	200	3.9 ±40%	2.0 min.	2525
LQH66SN102M01	1000 ±20%	10kHz	160	4.9 ±40%	1.7 min.	2525
LQH66SN222M01	2200 ±20%	10kHz	100	9.4 ±40%	1.2 min.	2525
LQH66SN472M01	4700 ±20%	10kHz	70	19.5 ±40%	0.8 min.	2525

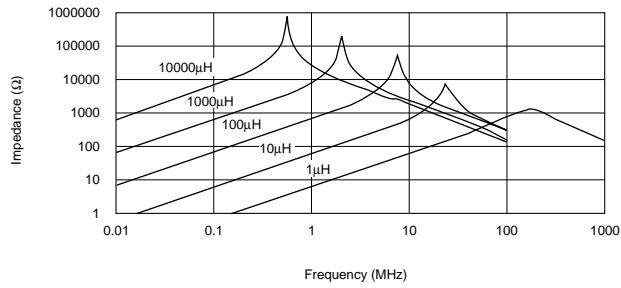
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Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (MHz)	EIA
<b>LQH66SN103M01</b>	10000 ±20%	10kHz	50	39.7 ±40%	0.5 min.	2525

Operating Temp. Range : -25°C to 80°C

### ■ Impedance-Frequency Characteristics



### ■ Inductance-Current Characteristics

