

Chip Coils

muRata

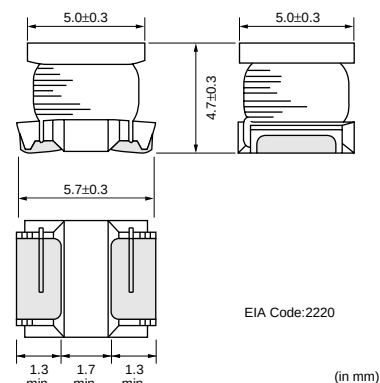
for Choke Winding/Magnetic Shielded Type LQH55D/LQH66S Series

LQH55D Series

LQH55D series are winding type coils for choke by using high performance thick wire winding technology.

■ Features

1. Low direct current resistance, large current capacity and large inductance
2. For DC-DC converters and DC power supply circuits

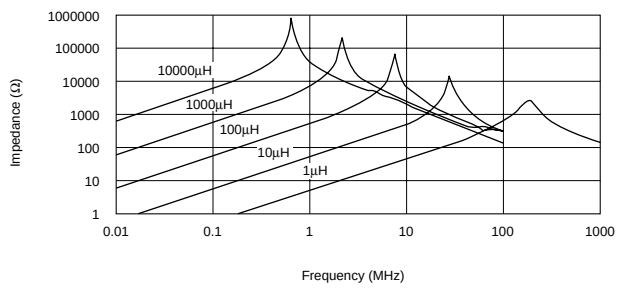


Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQH55DNR12M03	0.12 ±20%	1MHz	6000	0.007 ±40%	450	2220
LQH55DNR27M03	0.27 ±20%	1MHz	5300	0.010 ±40%	300	2220
LQH55DNR47M03	0.47 ±20%	1MHz	4800	0.013 ±40%	200	2220
LQH55DN1R0M03	1.0 ±20%	1MHz	4000	0.019 ±40%	150	2220
LQH55DN1R5M03	1.5 ±20%	1MHz	3700	0.022 ±40%	110	2220
LQH55DN2R2M03	2.2 ±20%	1MHz	3200	0.029 ±40%	80	2220
LQH55DN3R3M03	3.3 ±20%	1MHz	2900	0.036 ±40%	40	2220
LQH55DN4R7M03	4.7 ±20%	1MHz	2700	0.041 ±40%	30	2220
LQH55DN6R8M03	6.8 ±20%	1MHz	2000	0.074 ±40%	25	2220
LQH55DN100M03	10 ±20%	1MHz	1700	0.093 ±40%	20	2220
LQH55DN150M03	15 ±20%	1MHz	1400	0.15 ±40%	17	2220
LQH55DN220M03	22 ±20%	1MHz	1200	0.19 ±40%	15	2220
LQH55DN330M03	33 ±20%	1MHz	900	0.32 ±40%	12	2220
LQH55DN470M03	47 ±20%	1MHz	800	0.40 ±40%	10	2220
LQH55DN680M03	68 ±20%	1MHz	640	0.67 ±40%	7.6	2220
LQH55DN101M03	100 ±20%	100kHz	560	0.86 ±40%	6.5	2220
LQH55DN151M03	150 ±20%	100kHz	420	1.9 ±40%	5.0	2220
LQH55DN221M03	220 ±20%	100kHz	320	2.4 ±40%	4.0	2220
LQH55DN331M03	330 ±20%	100kHz	270	4.4 ±40%	3.1	2220
LQH55DN471M03	470 ±20%	100kHz	240	5.4 ±40%	2.4	2220
LQH55DN681M03	680 ±20%	100kHz	190	8.1 ±40%	1.9	2220
LQH55DN102M03	1000 ±20%	10kHz	150	10.3 ±40%	1.7	2220
LQH55DN222M03	2200 ±20%	10kHz	100	21.5 ±40%	1.2	2220
LQH55DN472M03	4700 ±20%	10kHz	70	43.6 ±40%	0.8	2220
LQH55DN103M03	10000 ±20%	10kHz	50	100 ±40%	0.5	2220

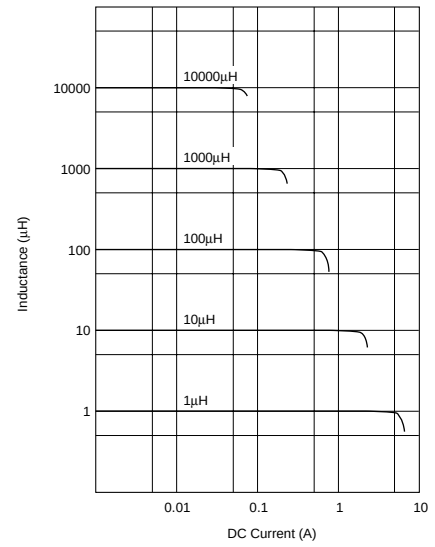
Operating Temp. Range : -25°C to +80°C

Please use reflow soldering.

■ Impedance-Frequency Characteristics



■ Inductance-Current Characteristics

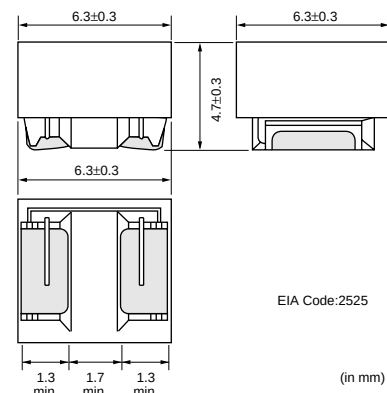


LQH66S Series

LQH66S series are magnetic shielded type coils for choke by using high performance thick wire winding technology.

■ Features

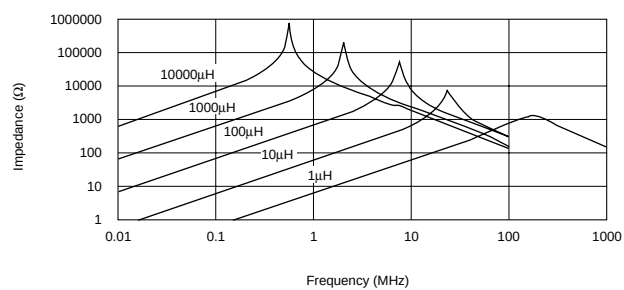
1. Low direct current resistance, large current capacity and large inductance
2. High density mounting
3. For DC-DC converters and DC power supply circuits



Part Number	Inductance (μH)	Test Frequency	Rated Current (mA)	DC Resistance (ohm)	Self Resonance Frequency (min.) (MHz)	EIA
LQH66SNR27M03	0.27 ±20%	1MHz	6000	0.007 ±40%	300	2525
LQH66SNR68M03	0.68 ±20%	1MHz	5300	0.010 ±40%	180	2525
LQH66SN1R0M03	1.0 ±20%	1MHz	4700	0.013 ±40%	150	2525
LQH66SN1R5M03	1.5 ±20%	1MHz	3800	0.016 ±40%	110	2525
LQH66SN2R2M03	2.2 ±20%	1MHz	3300	0.019 ±40%	80	2525
LQH66SN3R3M03	3.3 ±20%	1MHz	2600	0.022 ±40%	40	2525
LQH66SN4R7M03	4.7 ±20%	1MHz	2200	0.025 ±40%	30	2525
LQH66SN6R8M03	6.8 ±20%	1MHz	1800	0.029 ±40%	25	2525
LQH66SN100M03	10 ±20%	1MHz	1600	0.036 ±40%	20	2525
LQH66SN150M03	15 ±20%	1MHz	1300	0.069 ±40%	17	2525
LQH66SN220M03	22 ±20%	1MHz	1100	0.087 ±40%	15	2525
LQH66SN330M03	33 ±20%	1MHz	860	0.14 ±40%	12	2525
LQH66SN470M03	47 ±20%	1MHz	760	0.17 ±40%	10	2525
LQH66SN680M03	68 ±20%	1MHz	600	0.29 ±40%	7.6	2525
LQH66SN101M03	100 ±20%	100kHz	520	0.36 ±40%	6.5	2525
LQH66SN151M03	150 ±20%	100kHz	420	0.63 ±40%	5.0	2525
LQH66SN221M03	220 ±20%	100kHz	350	0.79 ±40%	4.0	2525
LQH66SN331M03	330 ±20%	100kHz	280	1.8 ±40%	3.2	2525
LQH66SN471M03	470 ±20%	100kHz	240	2.2 ±40%	2.5	2525
LQH66SN681M03	680 ±20%	100kHz	200	3.9 ±40%	2.0	2525
LQH66SN102M03	1000 ±20%	10kHz	160	4.9 ±40%	1.7	2525
LQH66SN222M03	2200 ±20%	10kHz	100	9.4 ±40%	1.2	2525
LQH66SN472M03	4700 ±20%	10kHz	70	19.5 ±40%	0.8	2525
LQH66SN103M03	10000 ±20%	10kHz	50	39.7 ±40%	0.5	2525

Operating Temp. Range : -25°C to +80°C
Please use reflow soldering.

■ Impedance-Frequency Characteristics



■ Inductance-Current Characteristics

