

# Chip Coils for Choke Large Current Type



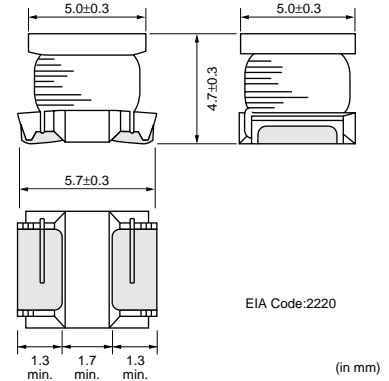
## LQH55D Series (2220 Size)

LQH55D series is wire wound type coils for choke by using high performance thick wire wound technology.

### Dimension

### Features

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



### Rated Value (□: packaging code)

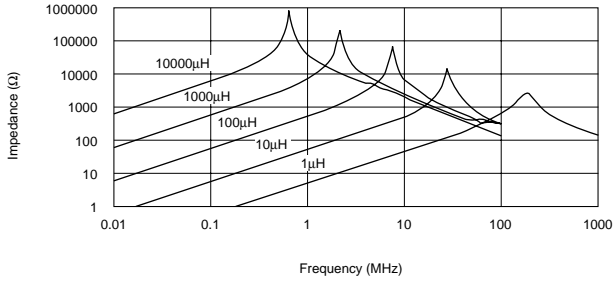
Part Number	Inductance	Test Frequency	Rated Current	DC resistance	Self Resonance Frequency (min.)
LQH55DNR12M03□	0.12μH±20%	1MHz	6000mA	0.007ohm±40%	450MHz
LQH55DNR27M03□	0.27μH±20%	1MHz	5300mA	0.010ohm±40%	300MHz
LQH55DNR47M03□	0.47μH±20%	1MHz	4800mA	0.013ohm±40%	200MHz
LQH55DN1R0M03□	1.0μH±20%	1MHz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

Operating Temperature Range: -25°C to +80°C Only for reflow soldering.

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### ■ Impedance - Frequency Characteristics (Typ.)



### ■ Inductance - Current Characteristics (Typ.)

