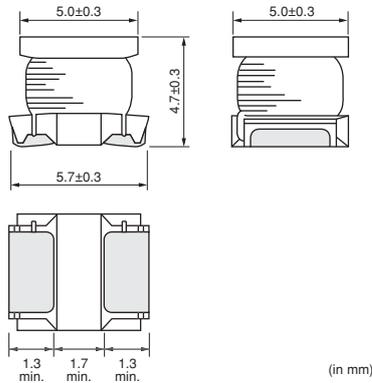


LQH55DN_03 Series 2220/5750 (inch/mm)



■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
L	ø180mm Embossed Taping	350
K	ø330mm Embossed Taping	1500

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current	DC Resistance	Self-Resonance Frequency (min.)
LQH55DNR12M03□	0.12μH ±20%	1MHz	6.0A	0.007Ω ±40%	450MHz
LQH55DNR27M03□	0.27μH ±20%	1MHz	5.3A	0.010Ω ±40%	300MHz
LQH55DNR47M03□	0.47μH ±20%	1MHz	4.8A	0.013Ω ±40%	200MHz
LQH55DN1R0M03□	1.0μH ±20%	1MHz	4.0A	0.019Ω ±40%	150MHz
LQH55DN1R5M03□	1.5μH ±20%	1MHz	3.7A	0.022Ω ±40%	110MHz
LQH55DN2R2M03□	2.2μH ±20%	1MHz	3.2A	0.029Ω ±40%	80MHz
LQH55DN3R3M03□	3.3μH ±20%	1MHz	2.9A	0.036Ω ±40%	40MHz
LQH55DN4R7M03□	4.7μH ±20%	1MHz	2.7A	0.041Ω ±40%	30MHz
LQH55DN6R8M03□	6.8μH ±20%	1MHz	2.0A	0.074Ω ±40%	25MHz
LQH55DN100M03□	10μH ±20%	1MHz	1.7A	0.093Ω ±40%	20MHz
LQH55DN150M03□	15μH ±20%	1MHz	1.4A	0.15Ω ±40%	17MHz
LQH55DN220M03□	22μH ±20%	1MHz	1.2A	0.19Ω ±40%	15MHz
LQH55DN330M03□	33μH ±20%	1MHz	0.9A	0.32Ω ±40%	12MHz
LQH55DN470M03□	47μH ±20%	1MHz	0.8A	0.40Ω ±40%	10MHz
LQH55DN680M03□	68μH ±20%	1MHz	0.64A	0.67Ω ±40%	7.6MHz
LQH55DN101M03□	100μH ±20%	100kHz	0.56A	0.86Ω ±40%	6.5MHz
LQH55DN151M03□	150μH ±20%	100kHz	0.42A	1.9Ω ±40%	5.0MHz
LQH55DN221M03□	220μH ±20%	100kHz	0.32A	2.4Ω ±40%	4.0MHz
LQH55DN331M03□	330μH ±20%	100kHz	0.27A	4.4Ω ±40%	3.1MHz
LQH55DN471M03□	470μH ±20%	100kHz	0.24A	5.4Ω ±40%	2.4MHz
LQH55DN681M03□	680μH ±20%	100kHz	0.19A	8.1Ω ±40%	1.9MHz
LQH55DN102M03□	1000μH ±20%	10kHz	0.15A	10.3Ω ±40%	1.7MHz
LQH55DN222M03□	2200μH ±20%	10kHz	0.10A	21.5Ω ±40%	1.2MHz
LQH55DN472M03□	4700μH ±20%	10kHz	0.07A	43.6Ω ±40%	0.8MHz
LQH55DN103M03□	10000μH ±20%	10kHz	0.05A	100Ω ±40%	0.5MHz

Class of Magnetic Shield: No magnetic shield

Operating Temperature Range (Self-temperature rise is not included): -40~80°C

For reflow soldering only.

Continued on the following page.

● This data sheet is applied for INDUCTORS (COILS) used for General Electronics equipment for your design.

⚠ Note:

- This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

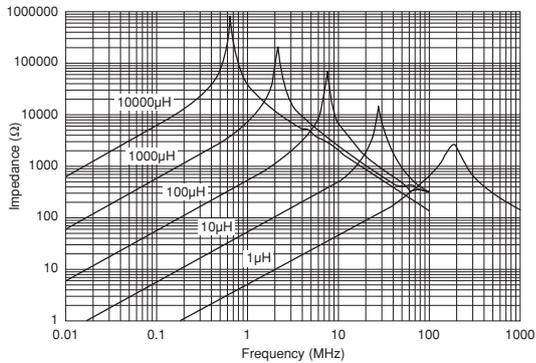
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■ Notice (Rating)

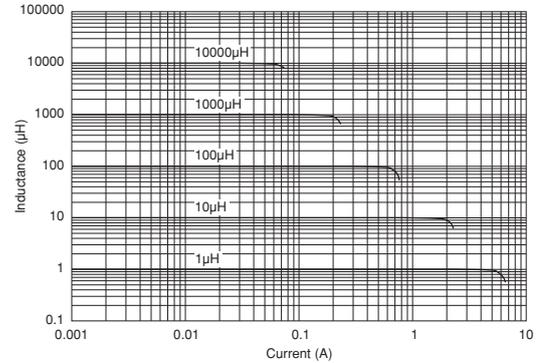
When applied rated current to the products, inductance will be within $\pm 40\%$ of initial inductance value.

When applied rated current to the products, temperature rise caused by self-generated heat shall be limited to 40°C max.

■ Impedance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ ⚠ Caution/Notice

⚠ Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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