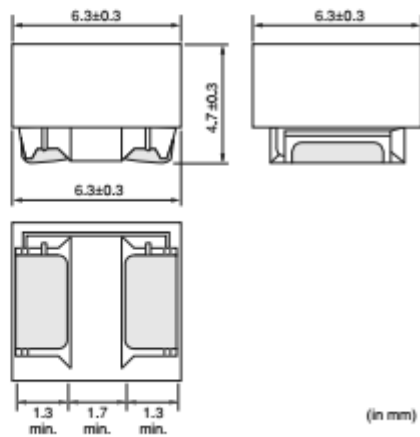


LQH66SN_03 Series 2525/6363 (inch/mm)

Closed Magnetic Circuit

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

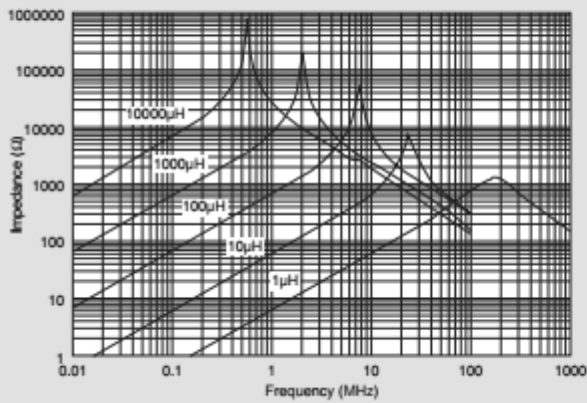
Class of Magnetic Shield: Magnetic shield of ferrite

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

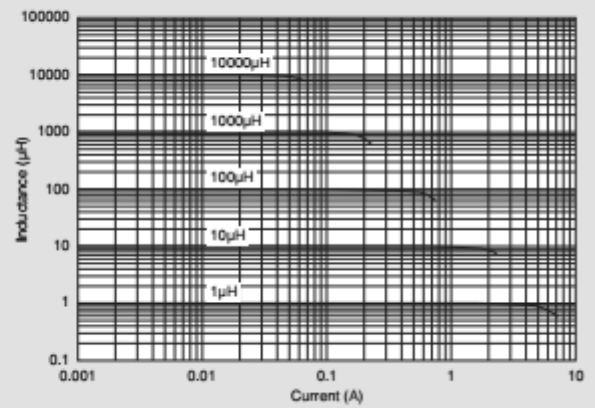
For reflow soldering only.

*1 When applied rated current to the products, self-temperature rise shall be limited to 40°C max. and inductance will be within ±40% of initial inductance value.

■ Impedance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



СИСТЕМА ОБОЗНАЧЕНИЙ

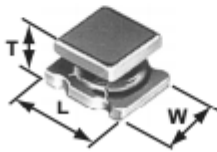
ЧИП индуктивность фирмы **Murata**

Конструкция, структура:

- H** - проволочн., мотанные, с покрытием
- N** - проволочные, мотанные, без покр.
- S** - проволочные, мотанные, экранированные
- P** - тонкопленочные
- G** - многослойные
- W** - проволочные, с гориз. намоткой

Размер:

- 1** - 1206
- 3** - 1210
- 4** - 1812
- 6** - 2220
- 10** - 0402
- 11** - 0603
- 21** - 0805
- 33** - 1212
- 66** - 2525



LQ N 1 A 10N J
LQ H 3 N 331 K

Допуск:

- G (± 2%)
- J (± 5%)
- K (± 10%)
- M (± 20%)
- N (± 30%)
- B (± 0.1нГн)
- C (± 0.2нГн)
- S (± 0.3нГн)
- D (± 0.5нГн)

Кодовое обознач. номинала индуктивности:

- 3N3** - 3.3 нГн
- 33N** - 33 нГн
- R33** - 0.33 мкГн
- 3R3** - 3.3 мкГн
- 330** - 33 мкГн
- 331** - 330 мкГн

Характеристика, назначение:

- N** - общего применения
- C** - дроссельные катушки
- A** - без ферритового сердечника
- H** - высокочастотные
- F** - дроссельн. катушки для источн. пост. тока