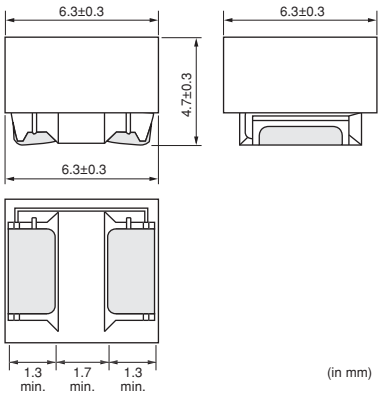
LQH66SN_03 Series 2525/6363 (inch/mm)

General | Wound (Shield) | Thickness 5.0mm max. | Reflow OK | RoHS

■ Dimensions



(in mm)

■ 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.)
LQH66SNR27M03□	0.27μH ±20%	1MHz	6.0A	0.007Ω ±40%	300MHz
LQH66SNR68M03□	0.68μH ±20%	1MHz	5.3A	0.010Ω ±40%	180MHz
LQH66SN1R0M03□	1.0μH ±20%	1MHz	4.7A	0.013Ω ±40%	150MHz
LQH66SN1R5M03□	1.5μH ±20%	1MHz	3.8A	0.016Ω ±40%	110MHz
LQH66SN2R2M03□	2.2μH ±20%	1MHz	3.3A	0.019Ω ±40%	80MHz
LQH66SN3R3M03□	3.3μH ±20%	1MHz	2.6A	0.022Ω ±40%	40MHz
LQH66SN4R7M03□	4.7μH ±20%	1MHz	2.2A	0.025Ω ±40%	30MHz
LQH66SN6R8M03□	6.8μH ±20%	1MHz	1.8A	0.029Ω ±40%	25MHz
LQH66SN100M03□	10μH ±20%	1MHz	1.6A	0.036Ω ±40%	20MHz
LQH66SN150M03□	15μH ±20%	1MHz	1.3A	0.069Ω ±40%	17MHz
LQH66SN220M03□	22μH ±20%	1MHz	1.1A	0.087Ω ±40%	15MHz
LQH66SN330M03□	33μH ±20%	1MHz	0.86A	0.14Ω ±40%	12MHz
LQH66SN470M03□	47μH ±20%	1MHz	0.76A	0.17Ω ±40%	10MHz
LQH66SN680M03□	68μH ±20%	1MHz	0.60A	0.29Ω ±40%	7.6MHz
LQH66SN101M03□	100μH ±20%	100kHz	0.52A	0.36Ω ±40%	6.5MHz
LQH66SN151M03□	150μH ±20%	100kHz	0.42A	0.63Ω ±40%	5.0MHz
LQH66SN221M03□	220μH ±20%	100kHz	0.35A	0.79Ω ±40%	4.0MHz
LQH66SN331M03□	330μH ±20%	100kHz	0.28A	1.8Ω ±40%	3.2MHz
LQH66SN471M03□	470μH ±20%	100kHz	0.24A	2.2Ω ±40%	2.5MHz
LQH66SN681M03□	680μH ±20%	100kHz	0.20A	3.9Ω ±40%	2.0MHz
LQH66SN102M03□	1000μH ±20%	10kHz	0.16A	4.9Ω ±40%	1.7MHz
LQH66SN222M03□	2200μH ±20%	10kHz	0.10A	9.4Ω ±40%	1.2MHz
LQH66SN472M03□	4700μH ±20%	10kHz	0.07A	19.5Ω ±40%	0.8MHz
LQH66SN103M03□	10000μH ±20%	10kHz	0.05A	39.7Ω ±40%	0.5MHz

Class of Magnetic Shield: Magnetic shield of ferrite
Operating Temperature Range (Self-temperature rise is not included): -40～80℃
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:

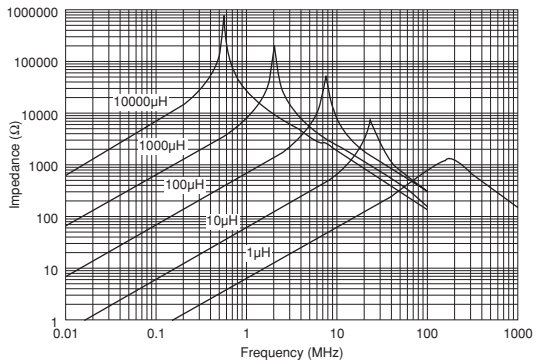
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet 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.

Continued from the preceding page.

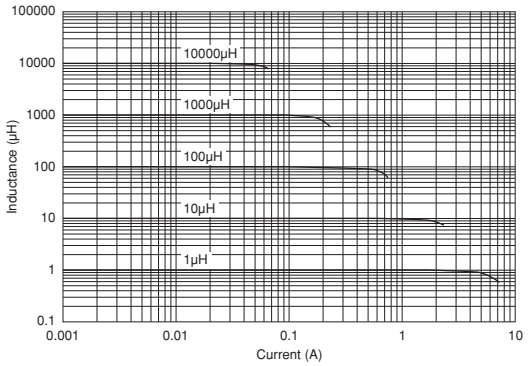
■ Notice (Rating)

When applied rated current to the products, inductance will be within ±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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