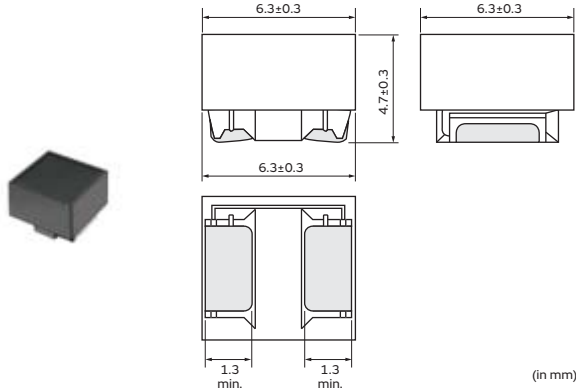


## Inductors for Power Lines

# LQH66SN\_03 Series 2525 (6363) inch (mm)

### Appearance/Dimensions



### Packaging

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

### Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current	DC Resistance	S.R.F.* (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

Operating temp. range (Self-temp. rise not included): -40 to 80°C

Class of Magnetic Shield: Ferrite Core

For reflow soldering only

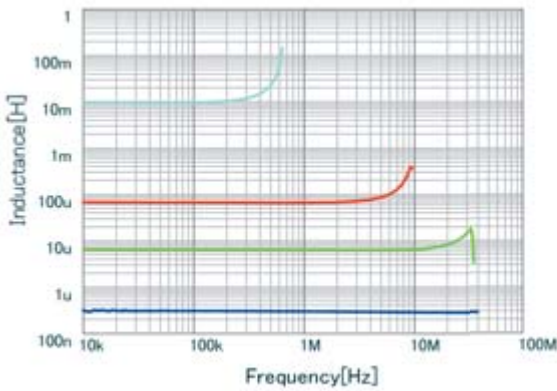
\*S.R.F.: Self-Resonant Frequency

When rated current is applied to the products, inductance will be within ±40% of initial inductance value. When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max.

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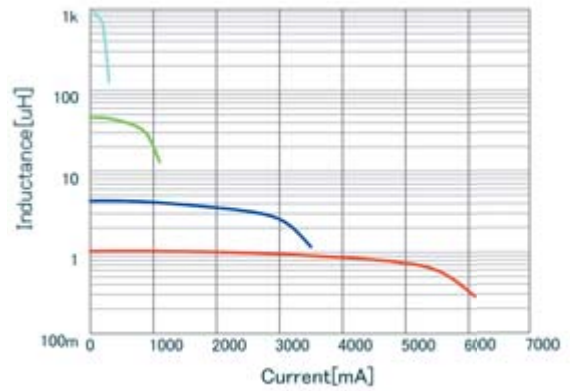
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### Inductance-Frequency Characteristics (Typ.)



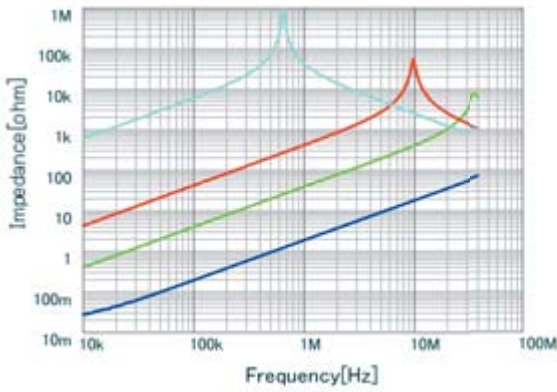
<span style="color: blue;">■</span>	LQH66SNR27M03 L
<span style="color: green;">■</span>	LQH66SN6R8M03 L
<span style="color: red;">■</span>	LQH66SN680M03 L
<span style="color: cyan;">■</span>	LQH66SN103M03 L

### Inductance-Current Characteristics (Typ.)



<span style="color: blue;">■</span>	LQH66SN4R7M03 DC-Bias, 20
<span style="color: green;">■</span>	LQH66SN470M03 DC-Bias, 20
<span style="color: red;">■</span>	LQH66SN1R0M03 DC-Bias, 20
<span style="color: cyan;">■</span>	LQH66SN102M03 DC-Bias, 20

### Impedance-Frequency Characteristics (Typ.)



<span style="color: blue;">■</span>	LQH66SNR27M03  Z
<span style="color: green;">■</span>	LQH66SN6R8M03  Z
<span style="color: red;">■</span>	LQH66SN680M03  Z
<span style="color: cyan;">■</span>	LQH66SN103M03  Z