

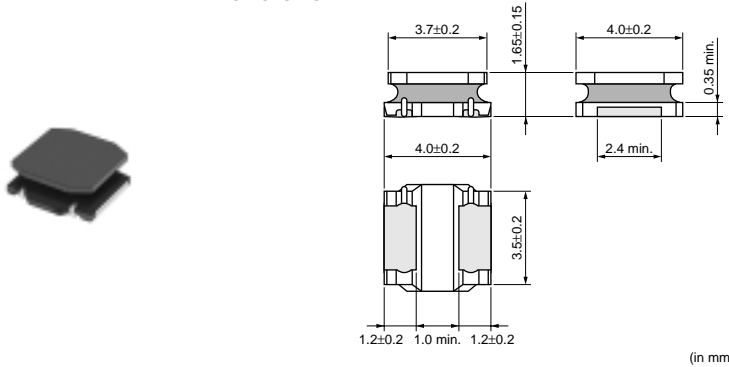
LQH44P_PO Series (1515 Size)

LQH44P_PO



1515 Size, 1.8mm max. Thickness

■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	1000
K	330mm Embossed Tape	3500

Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

Part Number	Inductance	Rated Current ^{*1} (Based on Inductance Change)	Rated Current ^{*2} (Based on Temperature Rise)	DC Resistance	Self Resonance Frequency (min.)	Kit
LQH44PN1R0NP0□	1.0μH±30%	2950mA	2450mA	0.030ohm ±20%	90MHz	Kit
LQH44PN2R2MP0□	2.2μH±20%	2500mA	1800mA	0.049ohm ±20%	70MHz	Kit
LQH44PN3R3MP0□	3.3μH±20%	2100mA	1770mA	0.065ohm ±20%	50MHz	Kit
LQH44PN4R7MP0□	4.7μH±20%	1700mA	1700mA	0.080ohm ±20%	40MHz	Kit
LQH44PN6R8MP0□	6.8μH±20%	1400mA	1340mA	0.12ohm ±20%	35MHz	Kit
LQH44PN100MP0□	10μH±20%	1150mA	1170mA	0.16ohm ±20%	25MHz	Kit
LQH44PN220MP0□	22μH±20%	800mA	790mA	0.37ohm ±20%	17MHz	Kit

Test Frequency: 1MHz Class of Magnetic Shield: Magnetic shield of magnetic powder in resin

Operating Temperature Range (Self-temperature rise is included): -40°C to +125°C

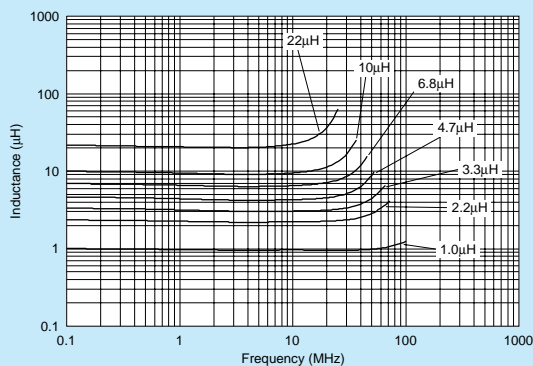
Operating Temperature Range (Self-temperature rise is not included): -40°C to +85°C

Only for reflow soldering.

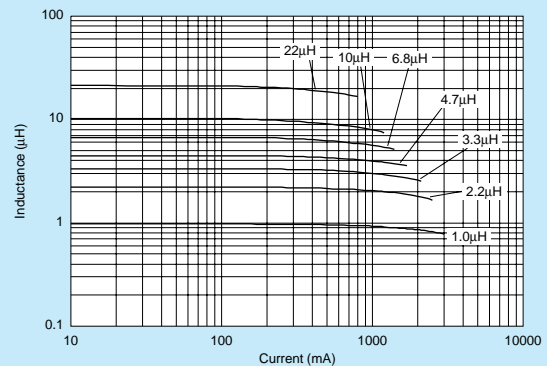
*1 When Rated Current is applied to the Products, Inductance will be within ±30% of nominal Inductance value.

*2 When Rated Current is applied to the Products, self-generation of heat will rise to 40°C or less.

■ Inductance-Frequency Characteristics (Typ.)



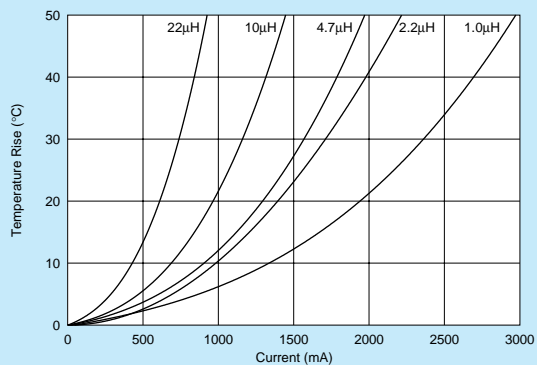
■ Inductance-Current Characteristics (Typ.)



Continued on the following page.

△Note • Please read rating and △CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

■ Temperature Rise Characteristics (Typ.)



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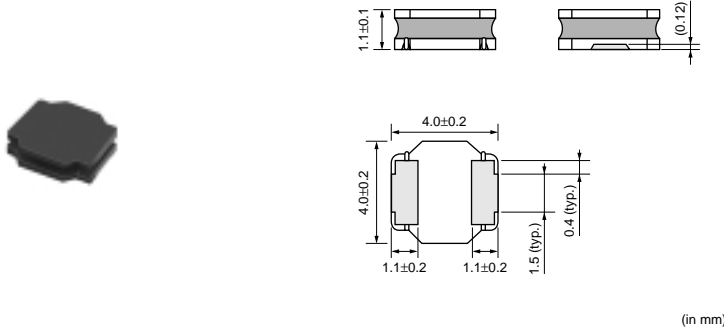
LQH44P_J0 Series (1515 Size)

LQH44P_J0



1515 Size, 1.2mm max. Thickness

■ Dimensions



■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	1000
K	330mm Embossed Tape	3500

Refer to pages from p.80 to p.83 for mounting information.

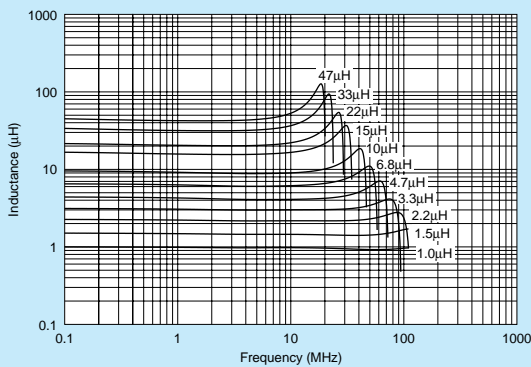
■ Rated Value (□: packaging code)

Part Number	Inductance	Rated Current ^{*1} (Based on Inductance Change)	Rated Current ^{*2} (Based on Temperature Rise)	DC Resistance	Self Resonance Frequency (min.)	
LQH44PN1R0NJ0□	1.0μH±30%	2000mA	1530mA	0.048ohm ±20%	130MHz	Kit
LQH44PN1R5MJ0□	1.5μH±20%	1600mA	1380mA	0.061ohm ±20%	90MHz	Kit
LQH44PN2R2MJ0□	2.2μH±20%	1320mA	1230mA	0.074ohm ±20%	68MHz	Kit
LQH44PN3R3MJ0□	3.3μH±20%	900mA	1000mA	0.088ohm ±20%	55MHz	Kit
LQH44PN4R7MJ0□	4.7μH±20%	840mA	980mA	0.117ohm ±20%	50MHz	Kit
LQH44PN6R8MJ0□	6.8μH±20%	720mA	860mA	0.143ohm ±20%	38MHz	Kit
LQH44PN100MJ0□	10μH±20%	560mA	790mA	0.207ohm ±20%	30MHz	Kit
LQH44PN150MJ0□	15μH±20%	430mA	610mA	0.385ohm ±20%	25MHz	Kit
LQH44PN220MJ0□	22μH±20%	400mA	550mA	0.480ohm ±20%	18MHz	Kit
LQH44PN330MJ0□	33μH±20%	360mA	430mA	0.740ohm ±20%	15MHz	Kit
LQH44PN470MJ0□	47μH±20%	300mA	380mA	1.014ohm ±20%	13MHz	Kit

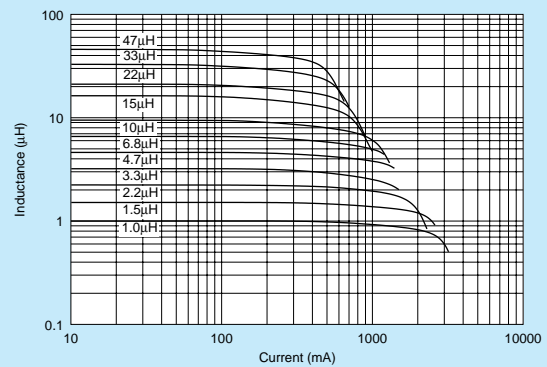
Test Frequency: 100kHz Class of Magnetic Shield: Magnetic shield of magnetic powder in resin
 Operating Temperature Range (Self-temperature rise is included): -40°C to +125°C
 Operating Temperature Range (Self-temperature rise is not included): -40°C to +85°C
 Only for reflow soldering.

*1 When Rated Current is applied to the Products, Inductance will be within ±30% of nominal Inductance value.
 *2 When Rated Current is applied to the Products, self-generation of heat will rise to 40°C or less.

■ Inductance-Frequency Characteristics (Typ.)



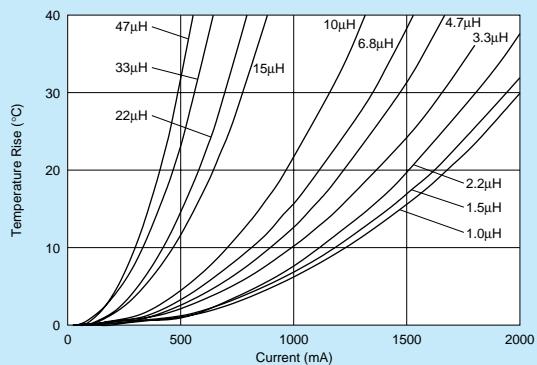
■ Inductance-Current Characteristics (Typ.)



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■ Temperature Rise Characteristics (Typ.)



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