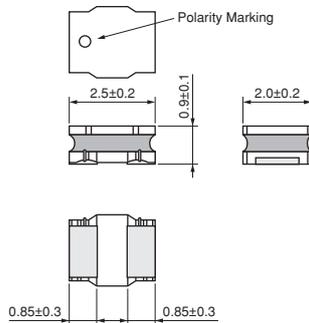


# LQH2HPN\_G0 Series 1008/2520 (inch/mm)



## ■ Dimensions



(in mm)

## ■ Packaging

Code	Packaging	Minimum Quantity
L	ø180mm Embossed Taping	3000

## ■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current (Based on Inductance Change)	Rated Current (Based on Temperature Rise)	DC Resistance	Self-Resonance Frequency (min.)
LQH2HPN2R2MG0□	2.2μH ±20%	1MHz	1640mA	1000mA	0.17Ω ±20%	80MHz
LQH2HPN3R3MG0□	3.3μH ±20%	1MHz	1290mA	810mA	0.27Ω ±20%	65MHz
LQH2HPN4R7MG0□	4.7μH ±20%	1MHz	1000mA	700mA	0.36Ω ±20%	60MHz
LQH2HPN6R8MG0□	6.8μH ±20%	1MHz	800mA	590mA	0.5Ω ±20%	10MHz
LQH2HPN100MG0□	10μH ±20%	1MHz	700mA	490mA	0.73Ω ±20%	10MHz
LQH2HPN220MG0□	22μH ±20%	1MHz	490mA	340mA	1.6Ω ±20%	10MHz
LQH2HPN101MG0□	100μH ±20%	1MHz	210mA	130mA	10.0Ω ±20%	5MHz

Class of Magnetic Shield: Magnetic shield of magnetic powder in resin

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

For reflow soldering only.

## ■ Notice (Rating)

When applied rated current to the products, inductance will be within -30% of minimum rated inductance value.

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

Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

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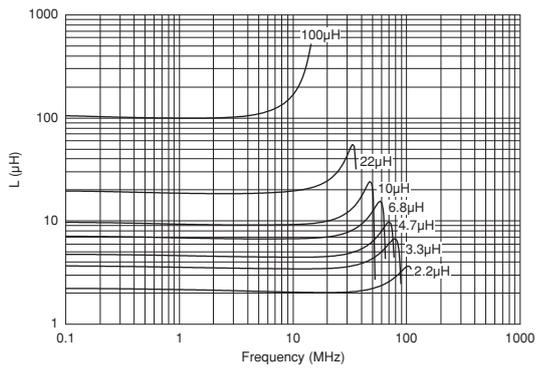
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

### ⚠ Note:

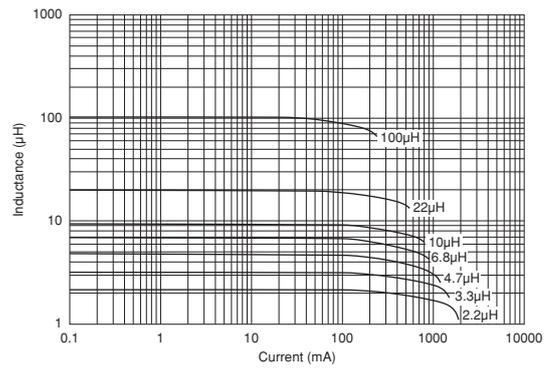
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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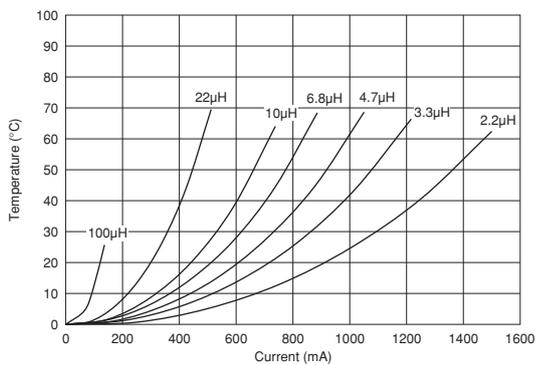
### Inductance-Frequency Characteristics (Typ.)



### Inductance-Current Characteristics (Typ.)



### Temperature Rise 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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