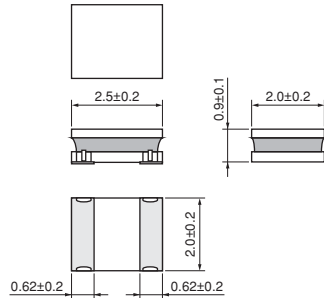


LQH2HPN_GR Series 2520/1008 (mm/inch)



■ 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.)
LQH2HPNR47MGR□	0.47μH ±20%	1MHz	2900mA	2520mA	0.045Ω ±20%	120MHz
LQH2HPNR68MGR□	0.68μH ±20%	1MHz	2430mA	2330mA	0.055Ω ±20%	110MHz
LQH2HPN1R0MGR□	1.0μH ±20%	1MHz	2130mA	2100mA	0.068Ω ±20%	100MHz
LQH2HPN1R5MGR□	1.5μH ±20%	1MHz	1700mA	1850mA	0.087Ω ±20%	90MHz
LQH2HPN2R2MGR□	2.2μH ±20%	1MHz	1550mA	1470mA	0.134Ω ±20%	80MHz
LQH2HPN3R3MGR□	3.3μH ±20%	1MHz	1230mA	1100mA	0.225Ω ±20%	70MHz
LQH2HPN4R7MGR□	4.7μH ±20%	1MHz	1090mA	1000mA	0.300Ω ±20%	50MHz
LQH2HPN6R8MGR□	6.8μH ±20%	1MHz	830mA	860mA	0.395Ω ±20%	40MHz
LQH2HPN100MGR□	10μH ±20%	1MHz	700mA	710mA	0.560Ω ±20%	30MHz
LQH2HPN150MGR□	15μH ±20%	1MHz	570mA	560mA	0.925Ω ±20%	20MHz
LQH2HPN220MGR□	22μH ±20%	1MHz	460mA	430mA	1.360Ω ±20%	15MHz

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

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

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

Only for reflow soldering.

■ Notice (Rating)

Inductance will be more than the value which is 30% down from minimum rated Inductance value.

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

Continued on the following page.

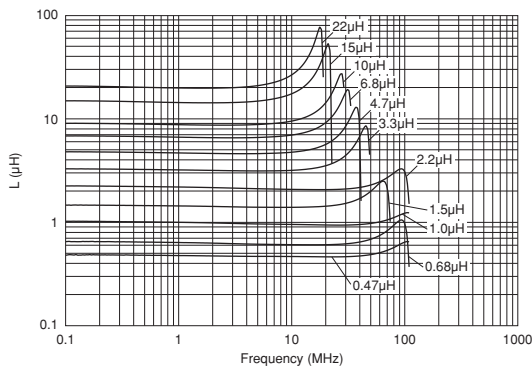
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

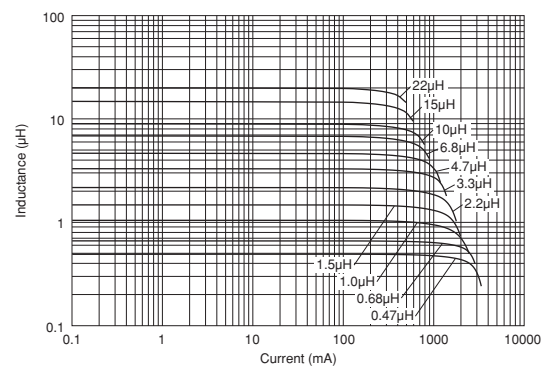
- This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has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

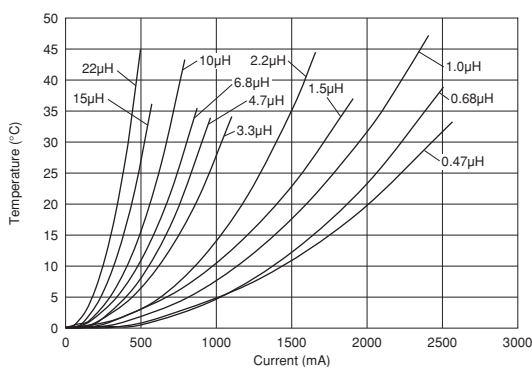
■ Inductance-Frequency characteristics (Typ.)



■ 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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