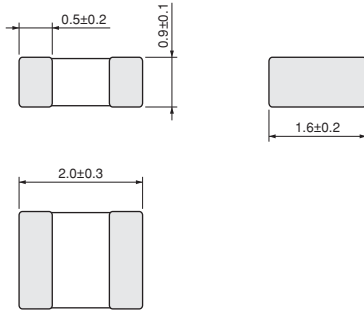


LQM2MPN_GH Series 2016/0806 (mm/inch)



■ 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.)
LQM2MPNR16MGH□	0.16μH ±20%	1MHz	4.8A	4.0A	0.014Ω ±25%	150MHz
LQM2MPNR24MGH□	0.24μH ±20%	1MHz	4.0A	3.4A	0.020Ω ±25%	130MHz
LQM2MPNR33MGH□	0.33μH ±20%	1MHz	3.2A	3.1A	0.024Ω ±25%	90MHz
LQM2MPNR47MGH□	0.47μH ±20%	1MHz	3.2A	2.5A	0.037Ω ±25%	80MHz
LQM2MPNR68MGH□	0.68μH ±20%	1MHz	2.1A	1.9A	0.060Ω ±25%	60MHz
LQM2MPN1R0MGH□	1.0μH ±20%	1MHz	1.6A	1.9A	0.064Ω ±25%	60MHz
LQM2MPN1R5MGH□	1.5μH ±20%	1MHz	1.5A	1.5A	0.104Ω ±25%	50MHz
LQM2MPN2R2MGH□	2.2μH ±20%	1MHz	1.0A	1.0A	0.210Ω ±25%	40MHz

Class of magnetic shield: Magnetic shield of ferrite

Operating temperature range: -40~85°C

Only for reflow soldering.

■ Notice (Rating)

When applied Rated current to the Products, Inductance will be within ±30% of initial Inductance value.

When applied Rated current to the Products, self temperature rise shall be limited to 40°C max.

Continued on the following page.

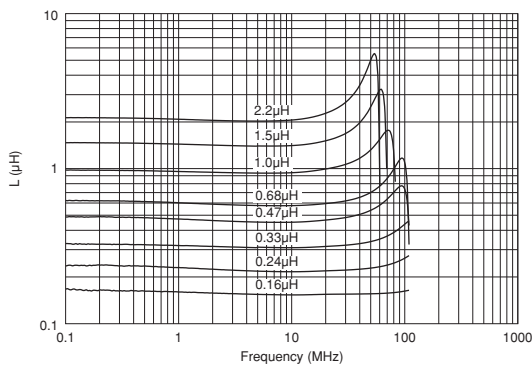
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

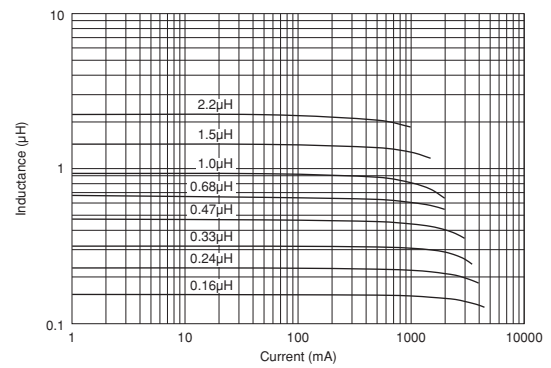
- This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has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

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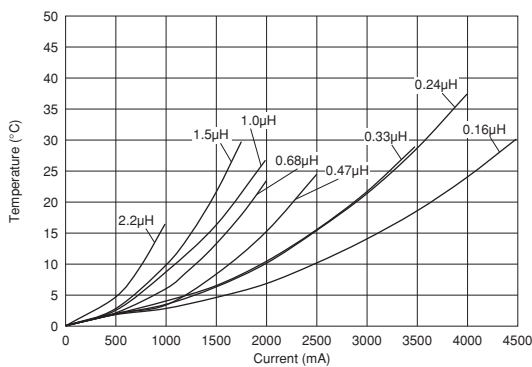
Inductance-Frequency characteristics (Typ.)



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.

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

Note:

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