

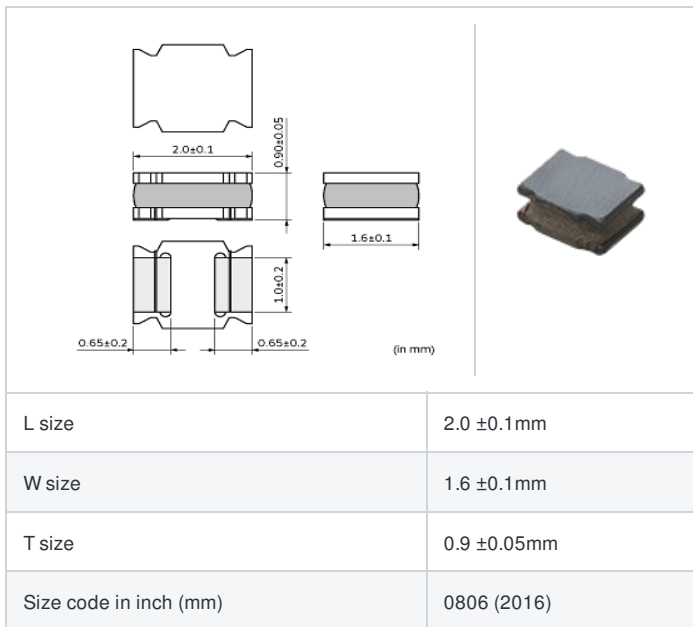
LQH2MPN820MGR#

indicates a package specification code.



< List of part numbers with package codes >
LQH2MPN820MGRL

Shape



Notes

When rated current is applied to the products, inductance will be within $\pm 30\%$ of initial inductance value range.

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

When rated current is applied to the products, the self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C).

When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85°C to 105°C).

References

Packaging code	Specifications	Minimum quantity
L	$\phi 180$ mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.010g

Specifications

Inductance	$82\mu\text{H} \pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	210mA
Rated current (Itemp) (Based on Temperature rise)	150mA(Ambient temp. 85°C) 90mA(Ambient temp. 105°C)
Max. of DC resistance	8.76Ω
Avg. of DC resistance	$7.3\Omega \pm 20\%$
Self resonance frequency (min.)	5MHz
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 105°C
Class of magnetic shield	Ferrite Core
Series	LQH2MPN_GR

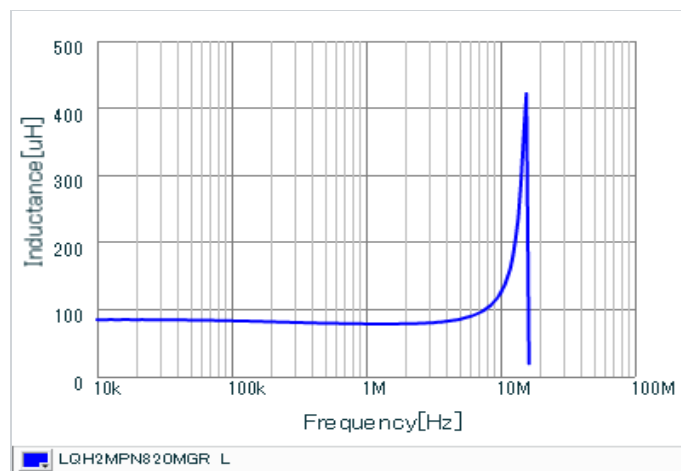
1 of 2

Attention

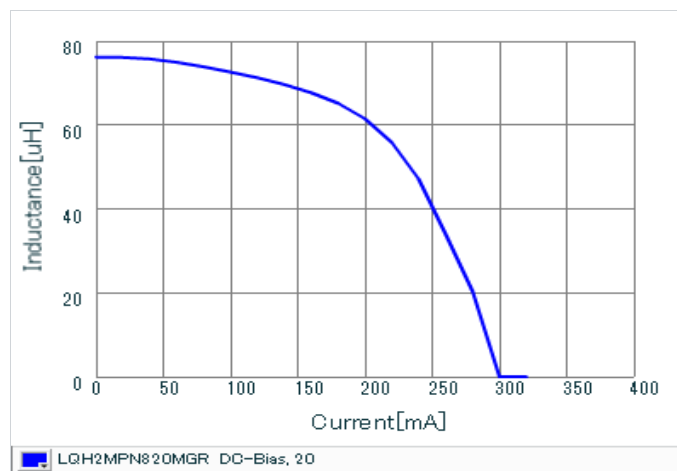
- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 - 2.This datasheet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

Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

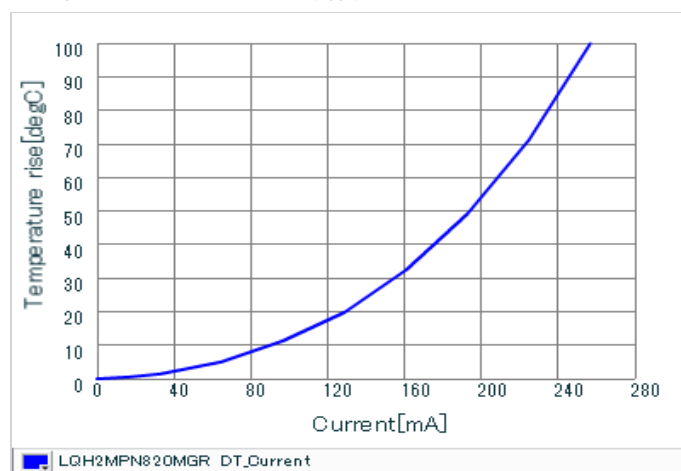
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

- 1.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.
- 2.This datasheet 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.