

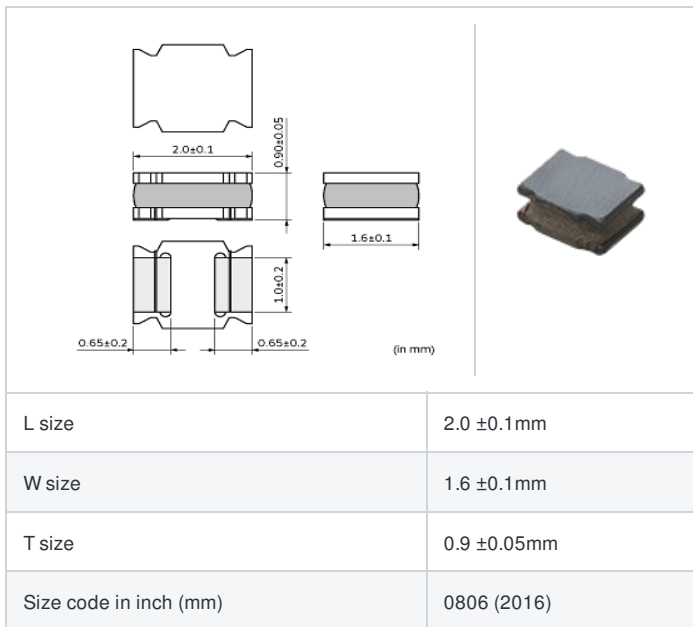
LQH2MPNR47NGR#

indicates a package specification code.



< List of part numbers with package codes >
LQH2MPNR47NGRL

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 $85-105^\circ\text{C}$).

References

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

Mass (Typ.)	
1 piece	0.010g

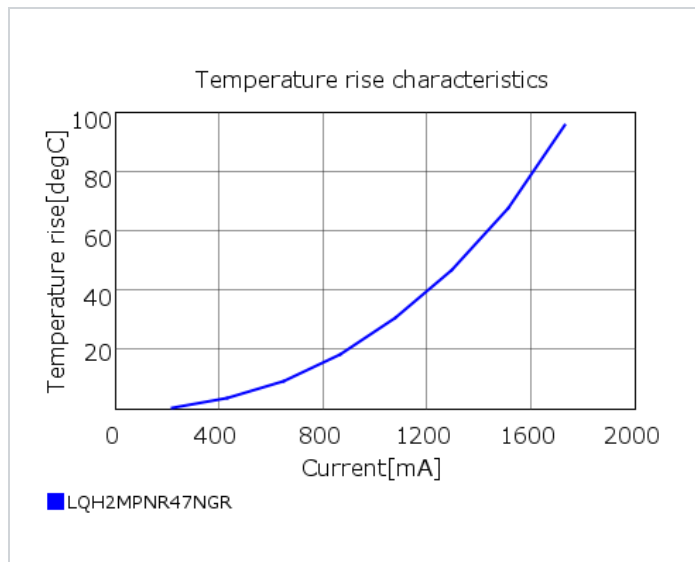
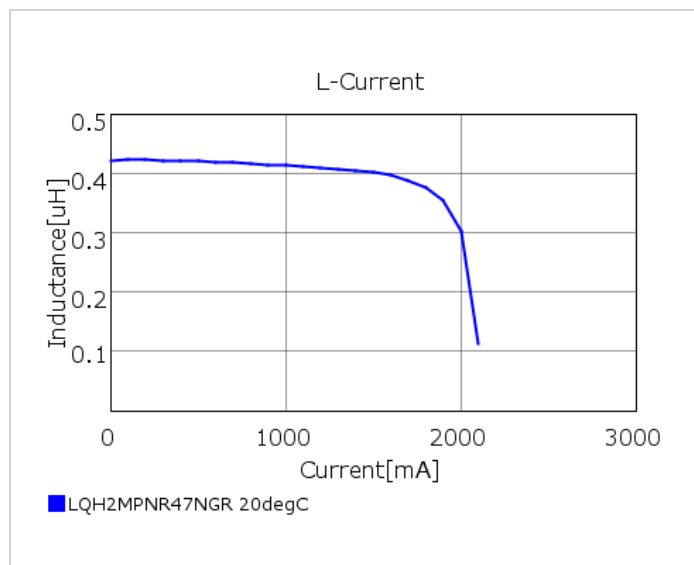
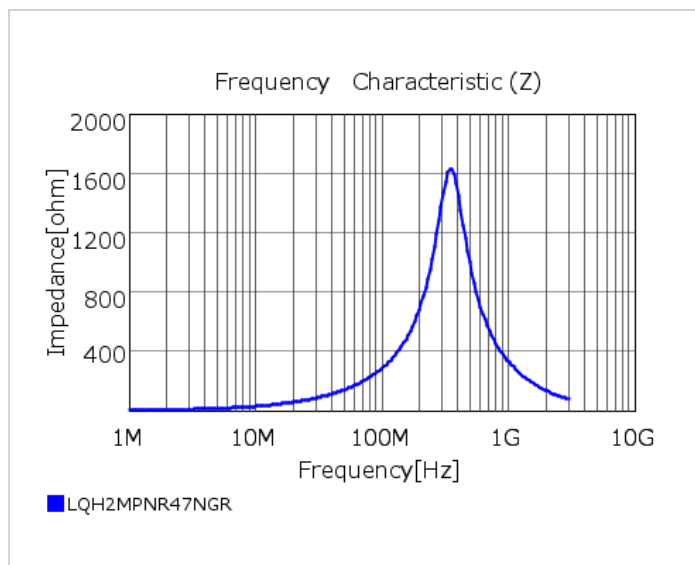
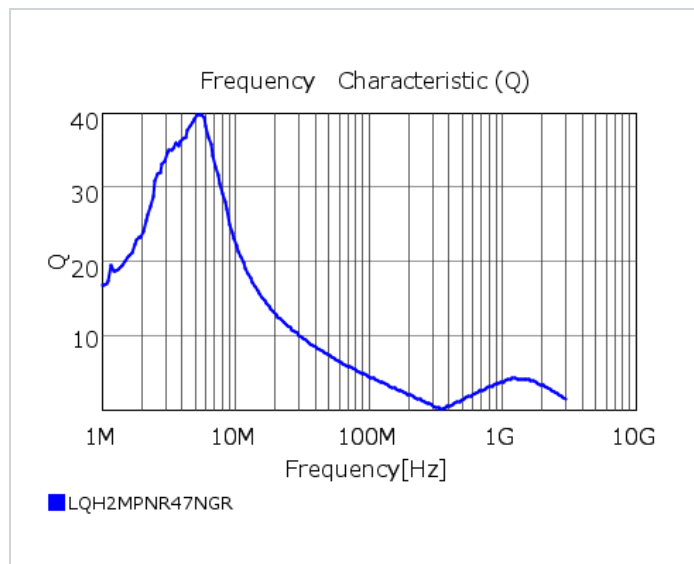
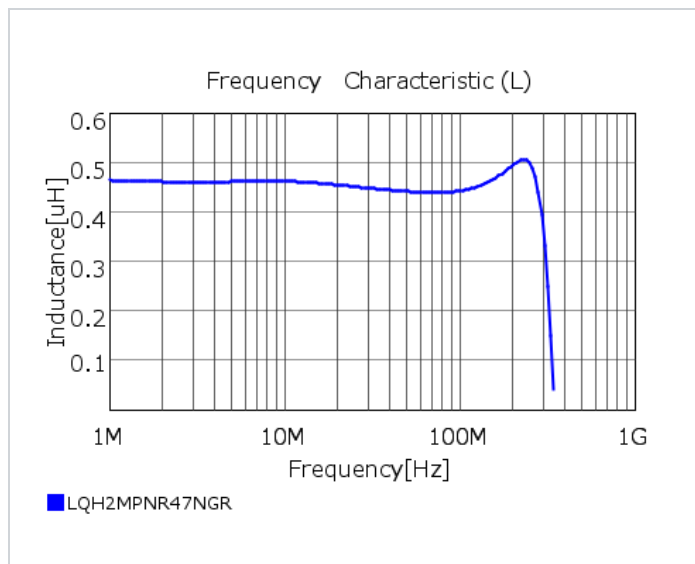
Specifications

Inductance	$0.47\mu\text{H} \pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1950mA
Rated current (Itemp) (Based on Temperature rise)	1060mA(Ambient temp. 85°C) 630mA(Ambient temp. 105°C)
Max. of DC resistance	0.216Ω
Avg. of DC resistance	$0.18\Omega \pm 20\%$
Self resonance frequency (min.)	120MHz
Operating temperature range (Self-temperature rise is included)	$-40 \sim 125^\circ\text{C}$
Operating temperature range (Self-temperature rise is not included)	$-40 \sim 105^\circ\text{C}$
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.



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.