

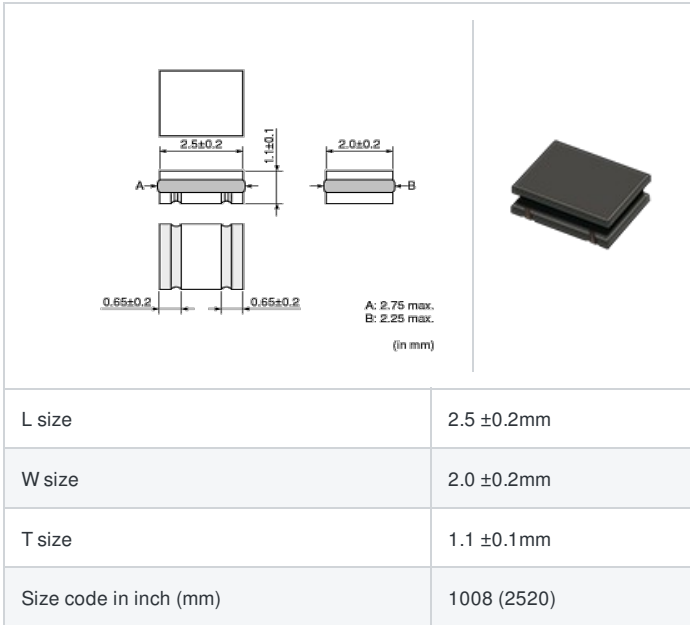
# LQH2HPN2R2MJR#

“#” indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPN2R2MJRL

## 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  $125^\circ\text{C}$ .  
 When rated current is applied to the products, the self-temperature rise shall be limited to  $40^\circ\text{C}$  max. (ambient temperature  $85^\circ\text{C}$ ).  
 When rated current is applied to the products, the self-temperature rise shall be limited to  $20^\circ\text{C}$  max. (ambient temperature  $85^\circ\text{C}$  to  $105^\circ\text{C}$ ).

## References

Packaging code	Specifications	Minimum quantity
L	$\phi 180$ mm Embossed taping	2000

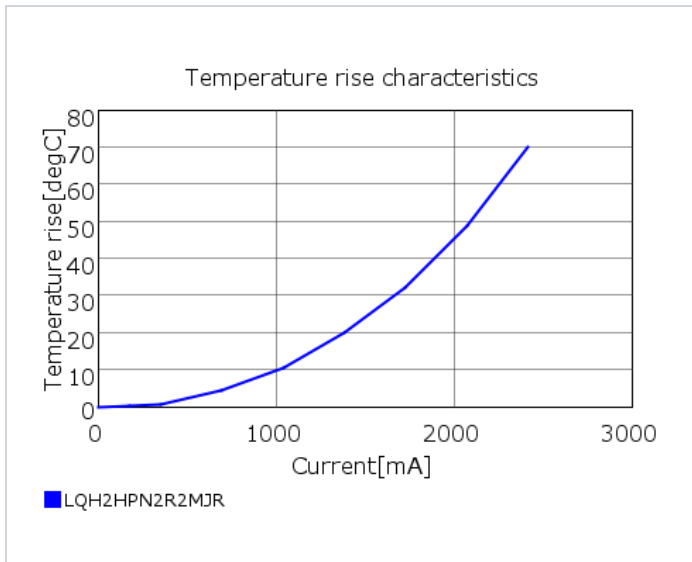
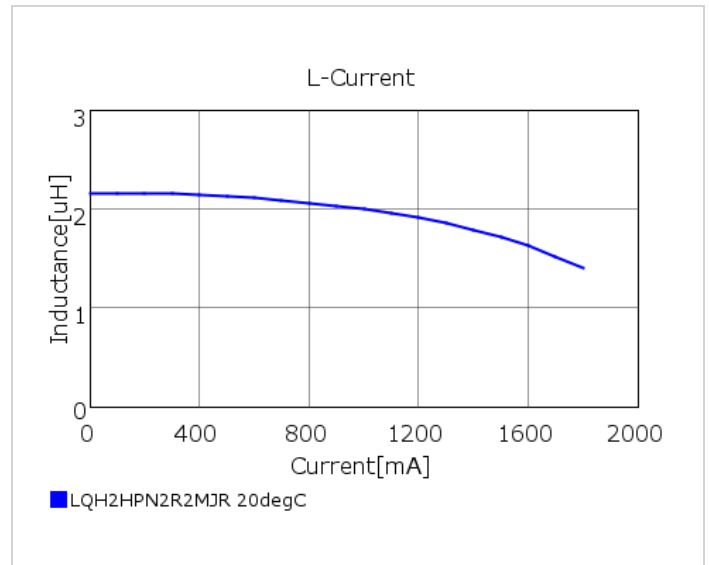
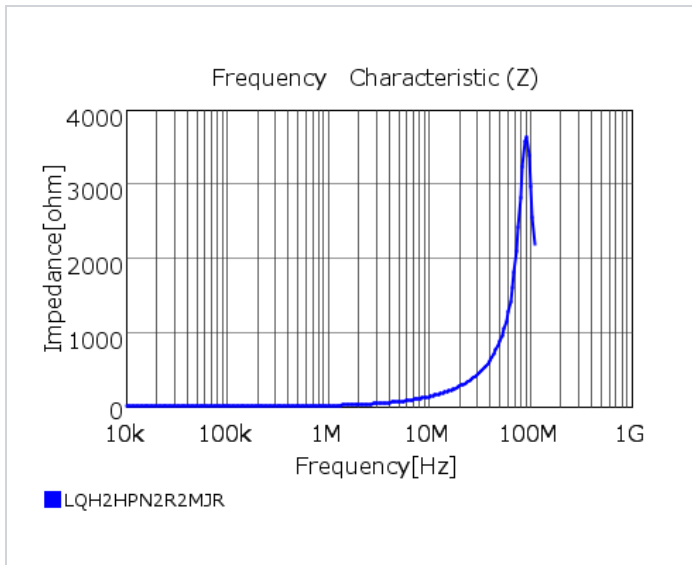
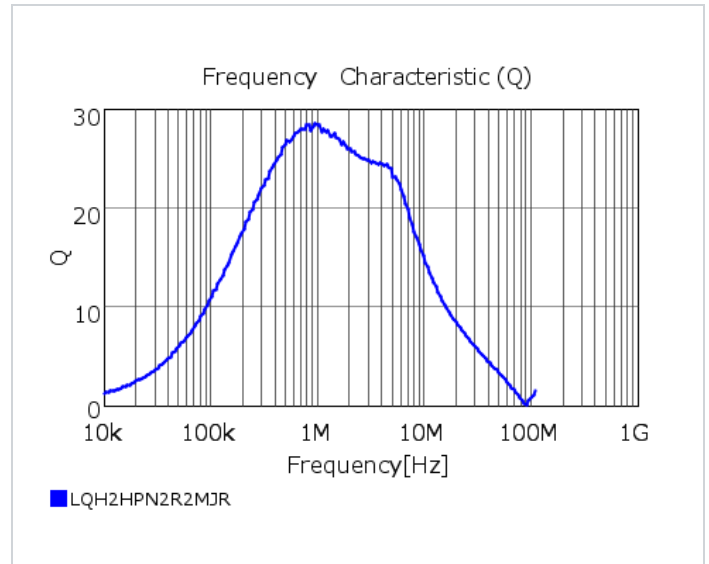
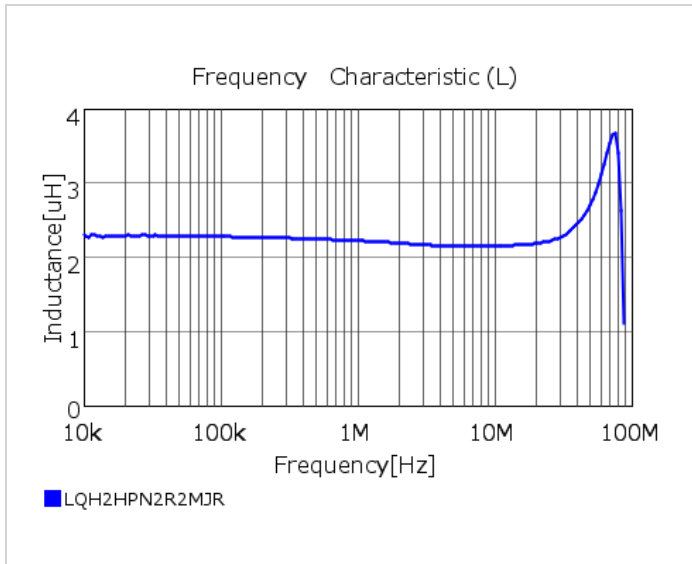
Mass (Typ.)	
1 piece	0.023g

## Specifications

Inductance	$2.2\mu\text{H} \pm 20\%$
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1700mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1650mA(Ambient temp.85°C) 990mA(Ambient temp.105°C)
Max. of DC resistance	0.1104Ω
Avg. of DC resistance	$0.092\Omega \pm 20\%$
Self resonance frequency (min.)	50MHz
Operating temperature range (Self-temperature rise is included)	$-40^\circ\text{C}$ to $125^\circ\text{C}$
Operating temperature range (Self-temperature rise is not included)	$-40^\circ\text{C}$ to $105^\circ\text{C}$
Class of magnetic shield	Magnetic Resin
Series	LQH2HPN_JR

### Attention

- 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 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.