

# LQH3NPN6R8NM0#

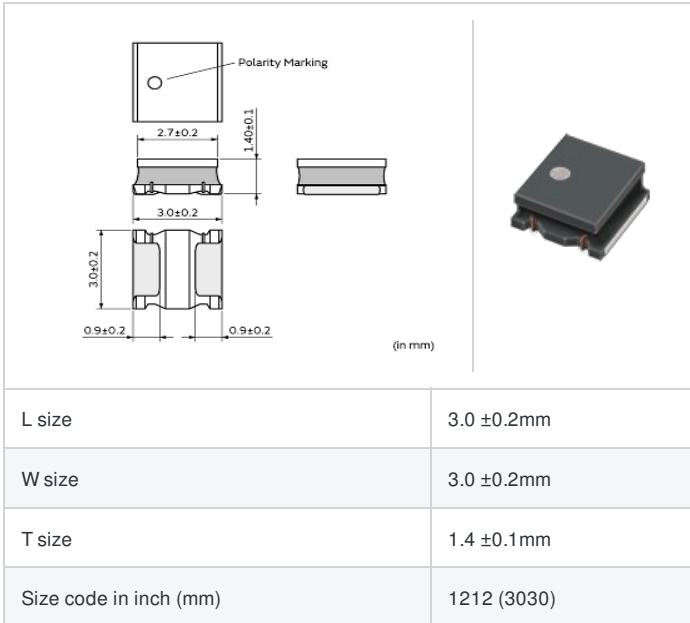
# indicates a package specification code.



Last Time Buy Date: 31 Mar 2018      Date of discontinuation: 30 Apr 2018

< List of part numbers with package codes >  
LQH3NPN6R8NM0L , LQH3NPN6R8NM0K

## Shape



## Notes

When applied Rated current to the Products, Inductance will be within ±30% of nominal Inductance value.  
When applied Rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40°C max.  
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	1000
K	φ330mm Embossed taping	4000

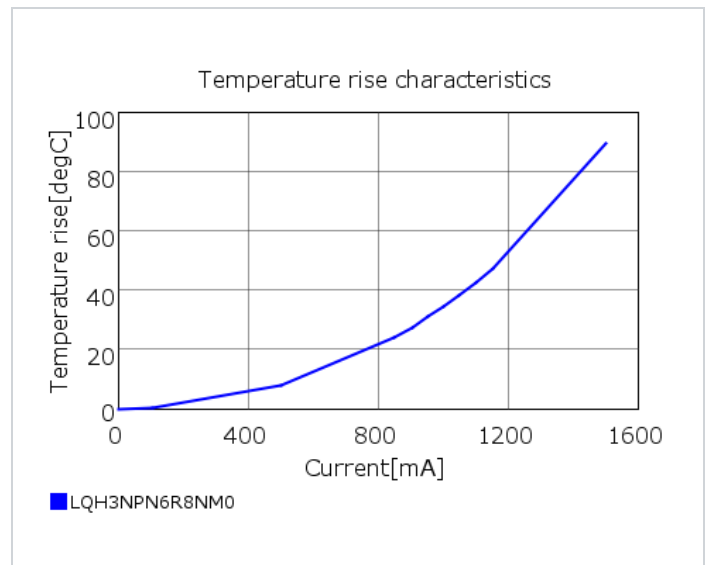
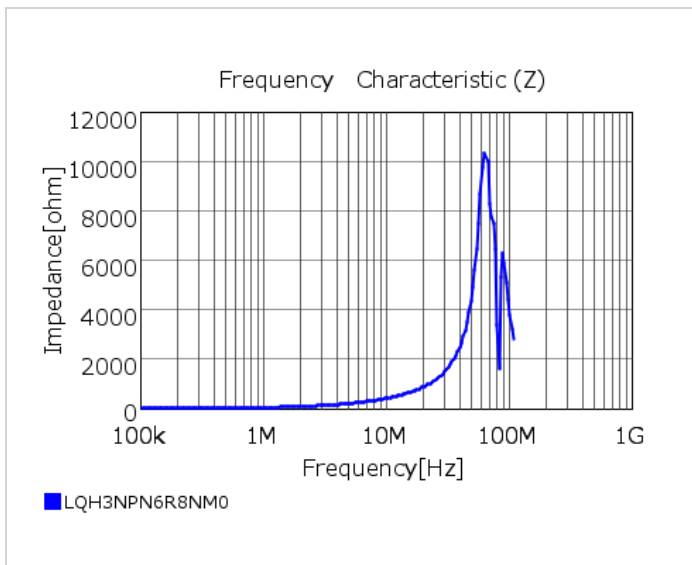
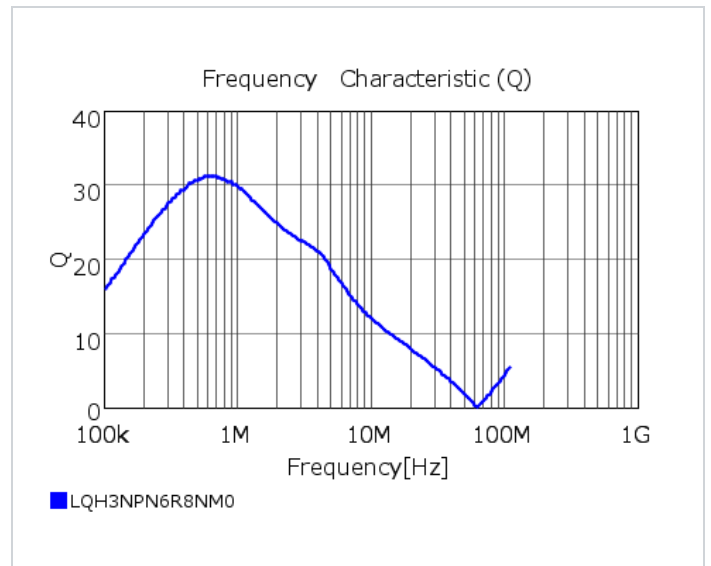
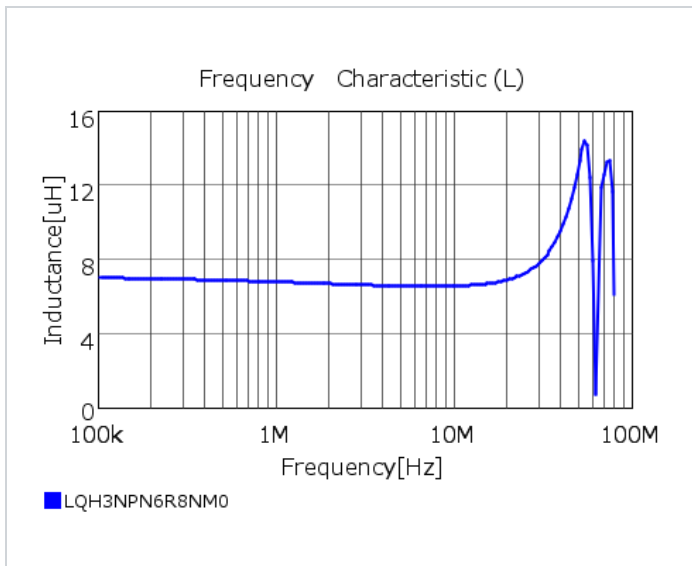
Mass (Typ.)	
1 piece	0.051g

## Specifications

Inductance	6.8μH ±30%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	820mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1000mA
Max. of DC resistance	0.240Ω
Avg. of DC resistance	0.20Ω ±20%
Self resonance frequency (min.)	50MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_M0

### 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.



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