



# THE DATASHEET OF LQH2HPN4R7MGRL



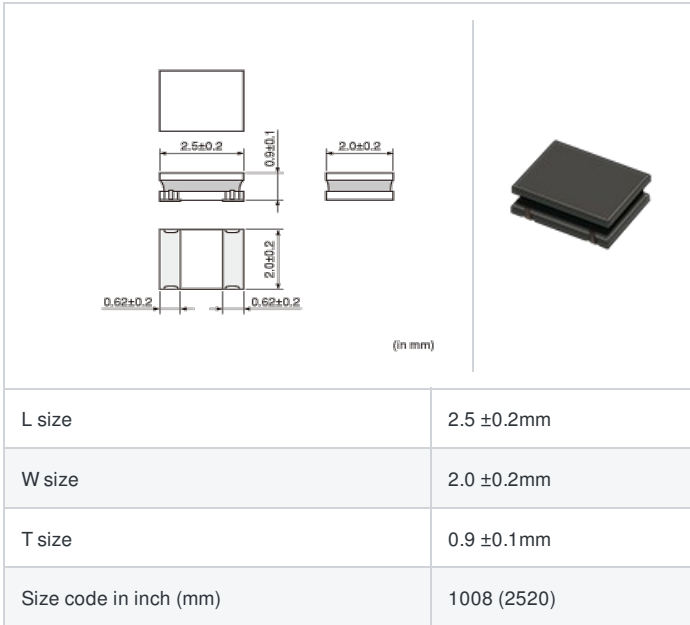
# LQH2HPN4R7MGR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPN4R7MGR#

## Shape



## Notes

When rated current is applied to the products, inductance will be within ±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 temperature rise caused by self-generated heat shall be limited to 40°C (at the rated current under 85°C) or 20°C (at the rated current under 105°C).

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	3000

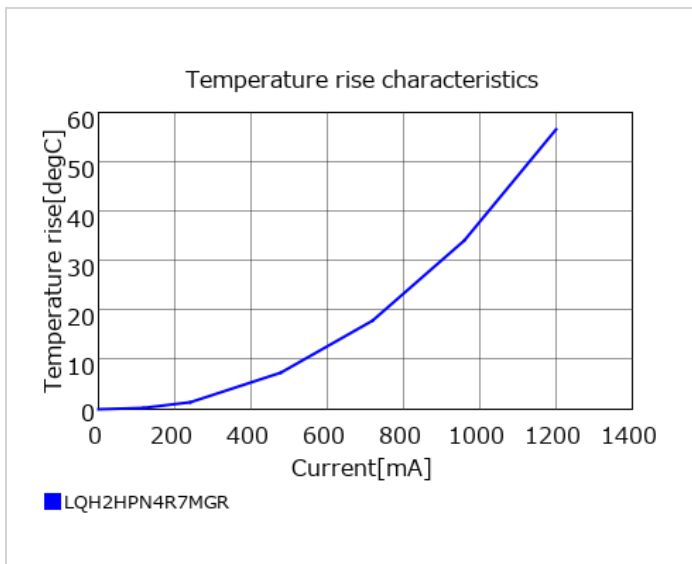
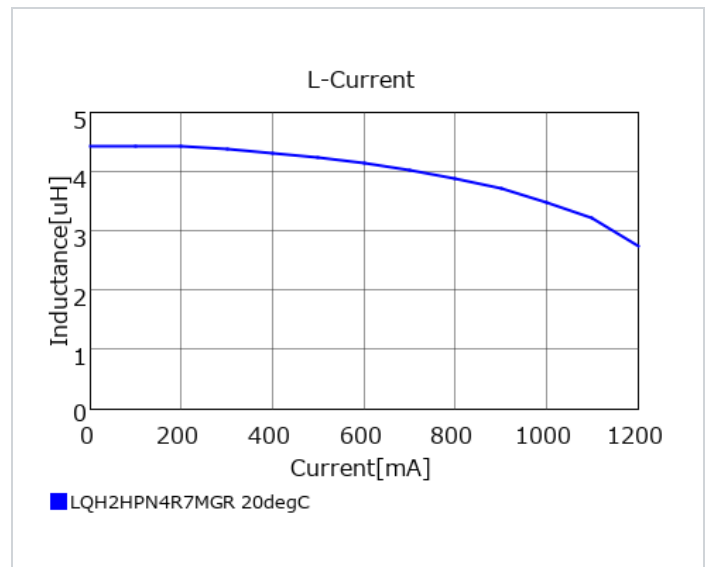
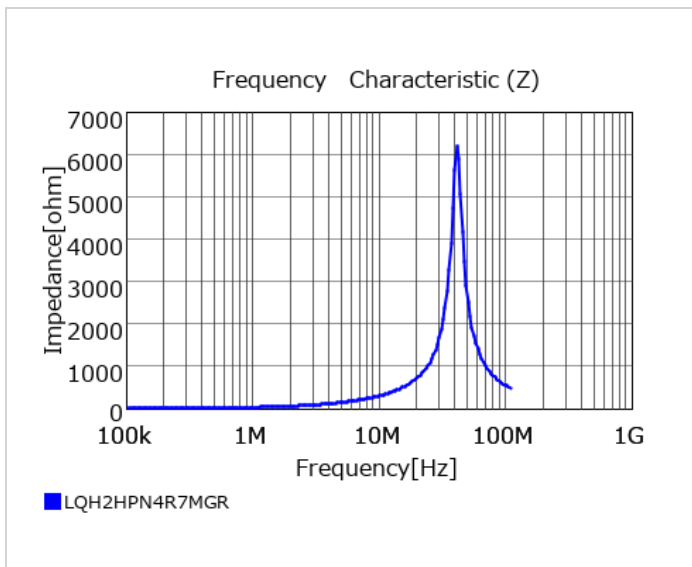
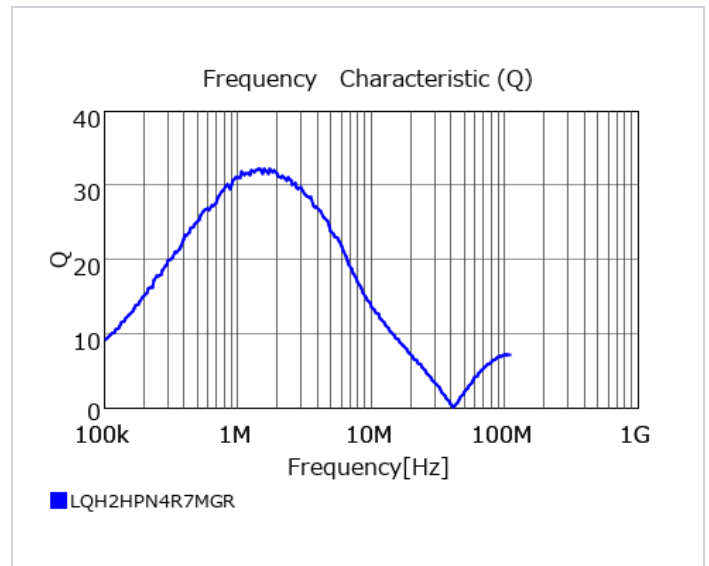
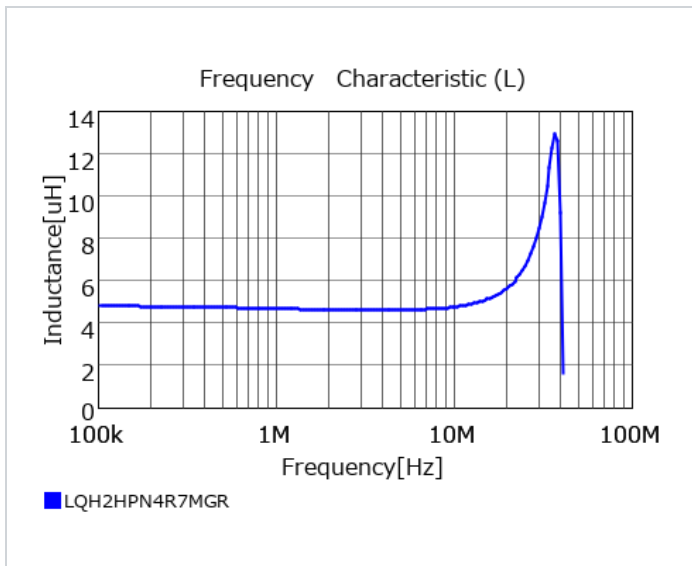
Mass (Typ.)	
1 piece	0.019g

## Specifications

Inductance	4.7μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1090mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1000mA(Ambient temp.85°C) 570mA(Ambient temp.105°C)
Max. of DC resistance	0.36Ω
Avg. of DC resistance	0.300Ω ±20%
Self resonance frequency (min.)	50MHz
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	Magnetic Resin
Series	LQH2HPN_GR

### Attention

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- 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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