

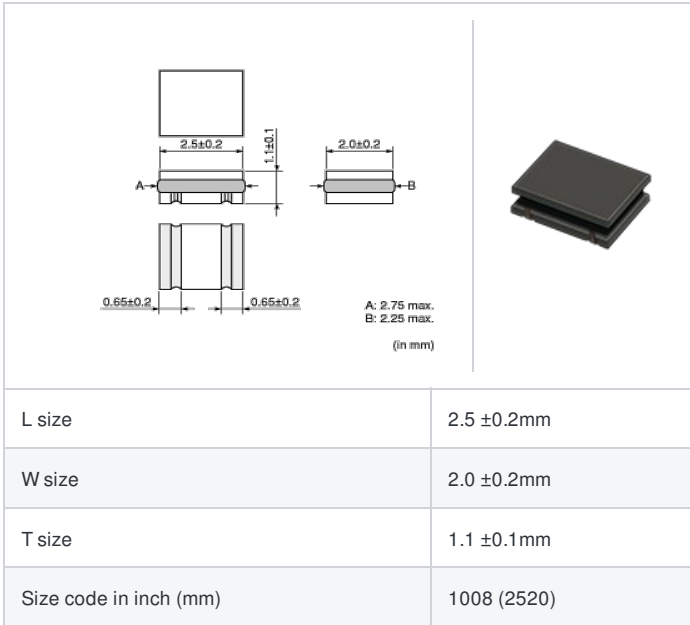
# LQH2HPN1R5NJR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPN1R5NJRL

## 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

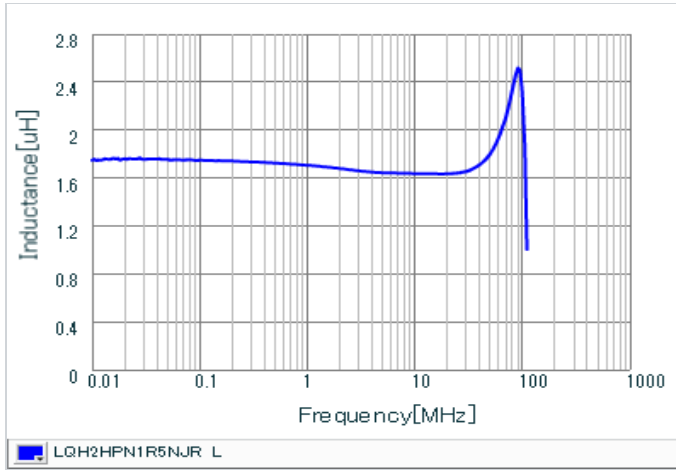
Inductance	$1.5\mu\text{H} \pm 30\%$
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	2200mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1810mA(Ambient temp.85°C) 1080mA(Ambient temp.105°C)
Max. of DC resistance	0.09Ω
Avg. of DC resistance	$0.075\Omega \pm 20\%$
Self resonance frequency (min.)	95MHz
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

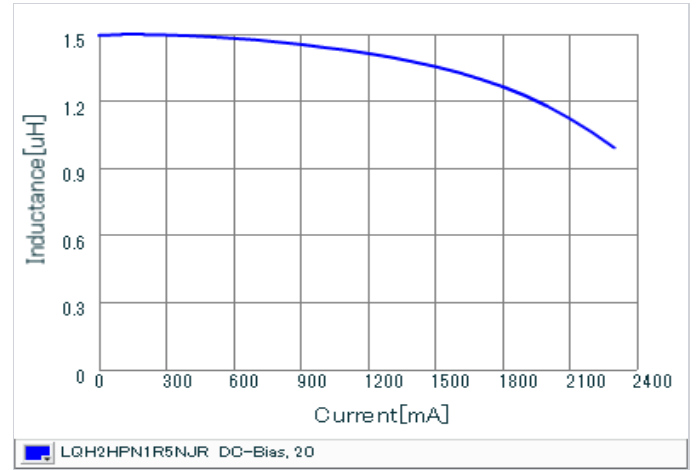
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

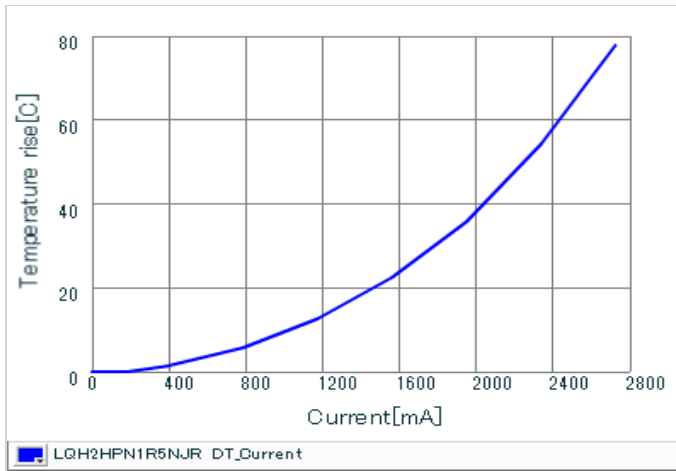
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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