

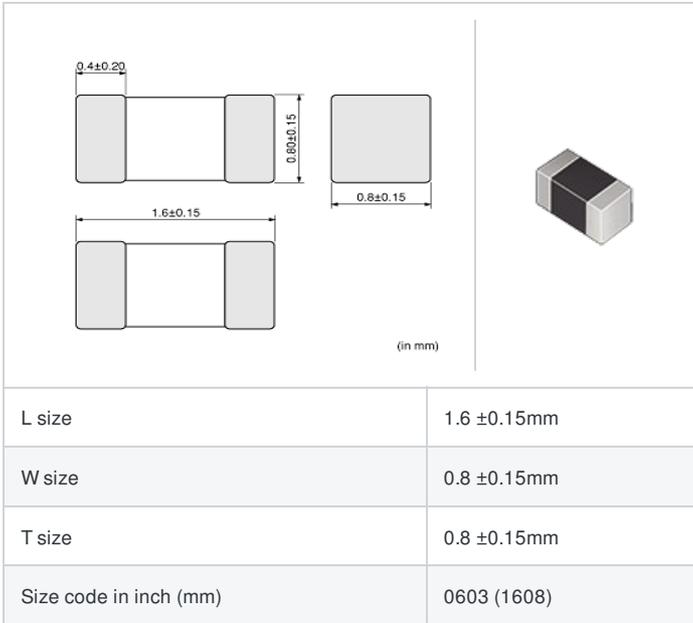
# LQM18PN2R2MFH#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQM18PN2R2MFHD , LQM18PN2R2MFHB

## Shape



## Notes

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range.  
 When rated current is applied to the products, the 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
D	φ 180mm Paper taping	4000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.005g

## Specifications

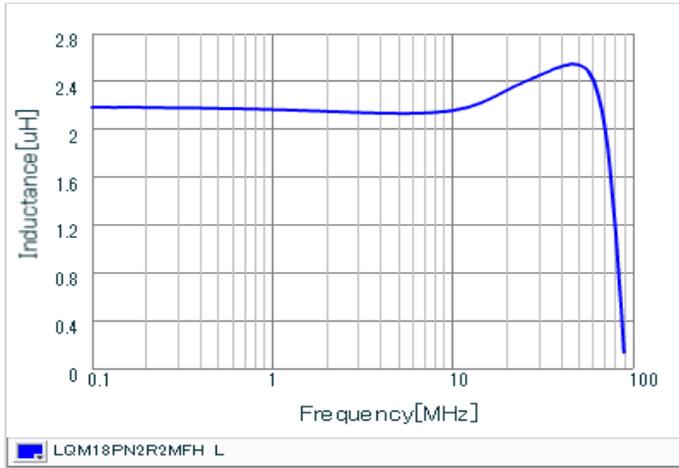
Inductance	2.2μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	0.3A(Max) / 0.35A(Typ.)
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	0.7A(Max) / 0.9A(Typ.)
Max. of DC resistance	0.475Ω
Avg. of DC resistance	0.38Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM18PN_FH

### Attention

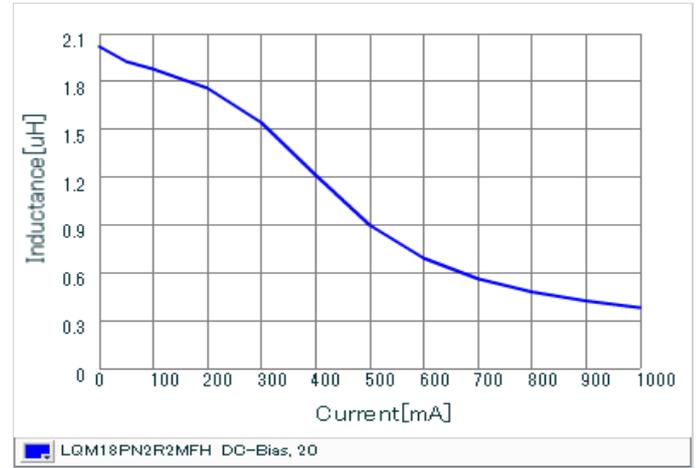
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

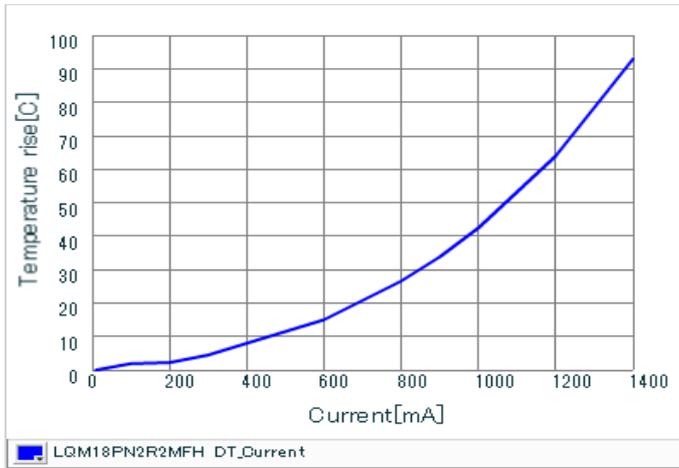
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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