

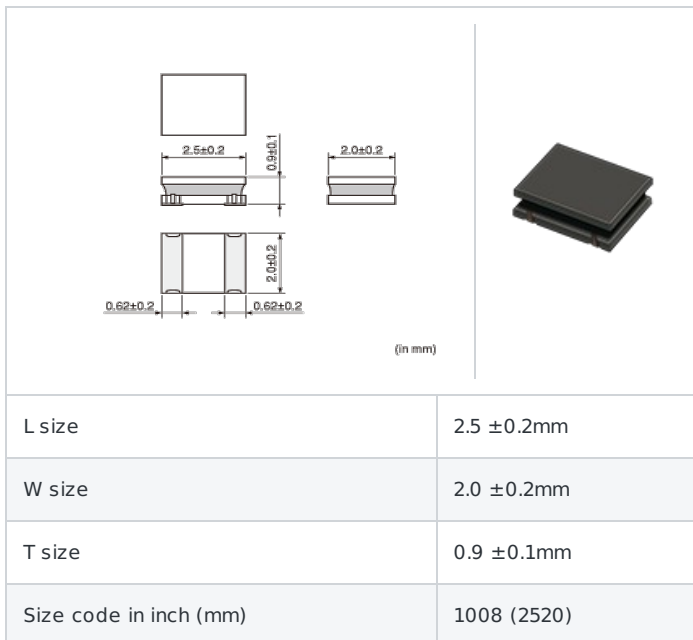
# muRata Inductor Data Sheet LQH2HPN1R5MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPN1R5MGR L

## Shape



## Notes

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

## References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.019g

## Specifications

Inductance	1.5μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1700mA
Rated current (Itemp) (Based on Temperature rise)	1850mA(Ambient temp.85°C) 1110mA(Ambient temp.105°C)
Max. of DC resistance	0.1044Ω
Avg. of DC resistance	0.087Ω±20%
Self resonance frequency (min.)	90MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~105°C
Class of magnetic shield	Magnetic Resin

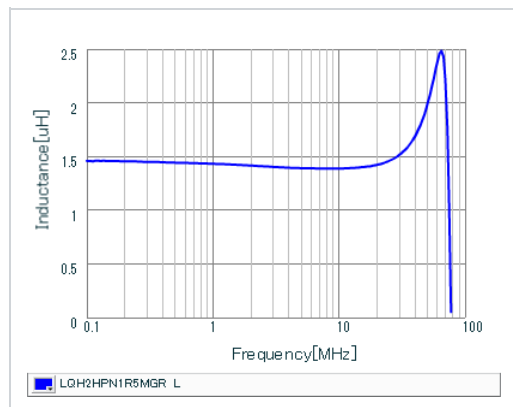
1 of 2

## Attention

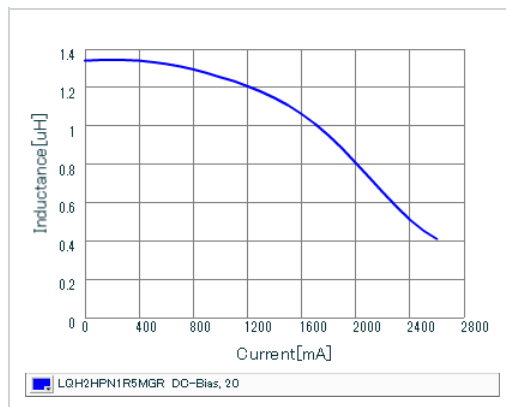
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

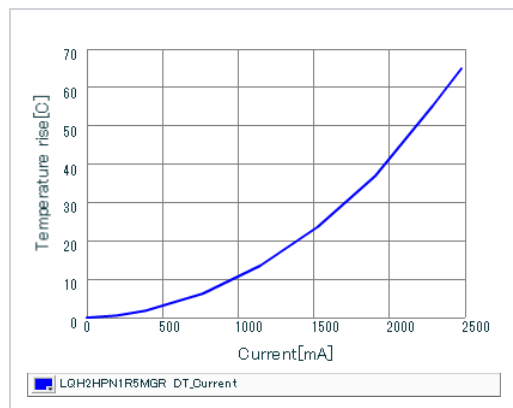
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



### ⚠ Attention

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