

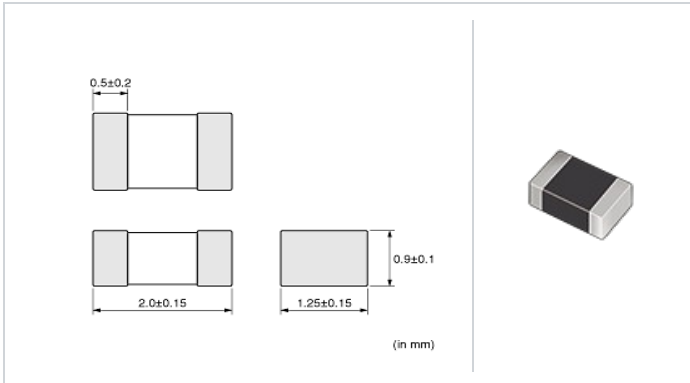
# LQM21PN1R0MGH#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQM21PN1R0MGHL , LQM21PN1R0MGHB

## Shape



L size	2.0 ±0.15mm
W size	1.25 ±0.15mm
T size	0.9 ±0.1mm
Size code in inch (mm)	0805 (2012)

## Notes

When applied Rated current to the Products, Inductance will be within ±30% of initial inductance value range.  
 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	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.012g

## Specifications

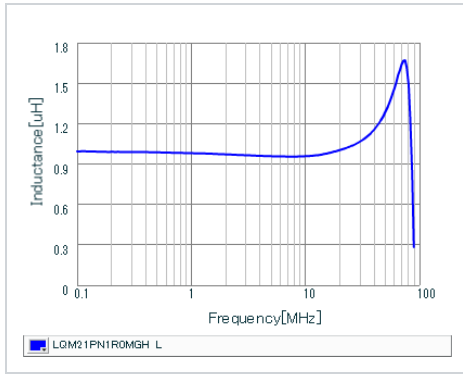
Inductance	1.0μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1.1A(Max) / 1.5A(Typ.)
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1.7A(Max) / 2.0A(Typ.)
Max. of DC resistance	0.1Ω
Avg. of DC resistance	0.08Ω(typ.)
Self resonance frequency (min.)	60MHz
Operating temperature range	-40~85°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_GH

### Attention

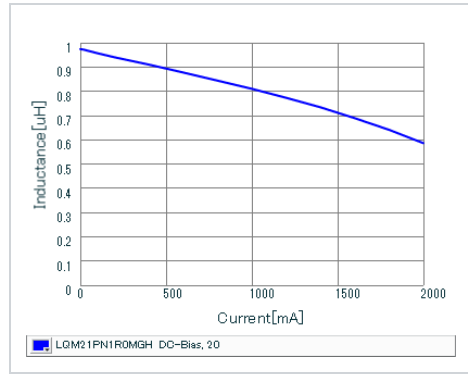
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

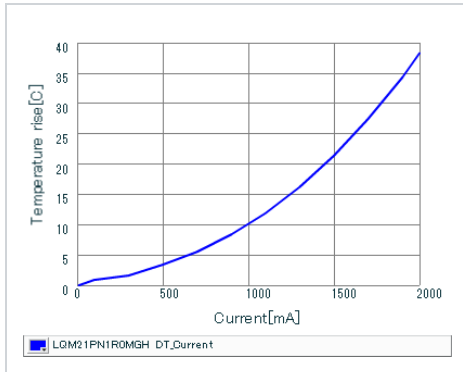
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



**⚠ Attention**

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