

# LQM18PZ2R5NCH#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQM18PZ2R5NCHD , LQM18PZ2R5NCHB

## Shape

Dimension of T	Inductance: 1.0 to 2.2µH	0.50±0.15
	Inductance: 2.5µH	0.45±0.15

(In mm)

L size	1.6 ±0.2mm
W size	0.8 ±0.2mm
T size	0.45 ±0.15mm
Size code in inch (mm)	0603 (1608)

## Notes

Please consider 'Notice (Rating).'  
 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.

## References

Packaging code	Specifications	Minimum quantity
D	φ 180mm Paper taping	4000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.004g

## Specifications

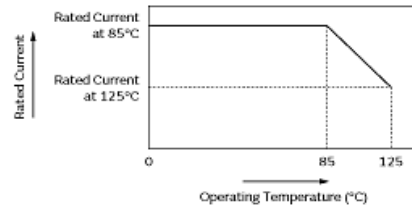
Inductance	2.5µH ±30%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	100mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	900mA(Ambient temp.85°C) 640mA(Ambient temp.125°C)
Max. of DC resistance	0.3Ω
Self resonance frequency (min.)	50MHz
Operating temperature range	-55 to 125°C
Class of magnetic shield	Ferrite Core
Series	LQM18PZ_CH

### Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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.

In operating temperatures exceeding +85°C, derating of current is necessary for this series.  
Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current

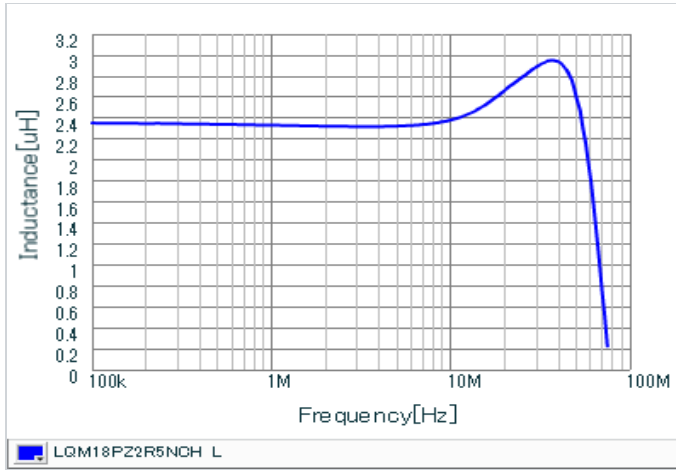


 **Attention**

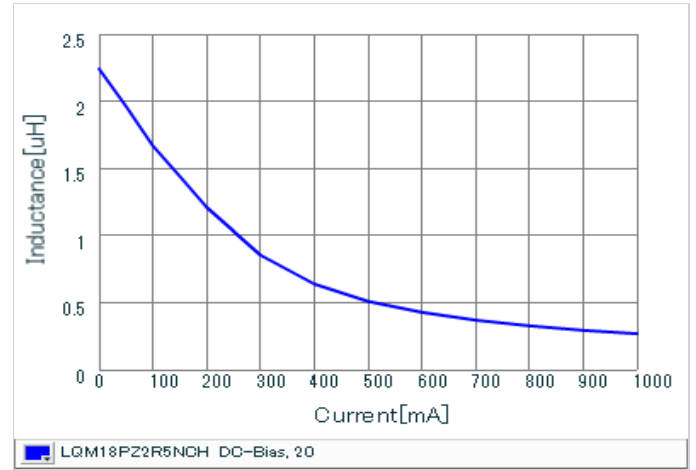
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

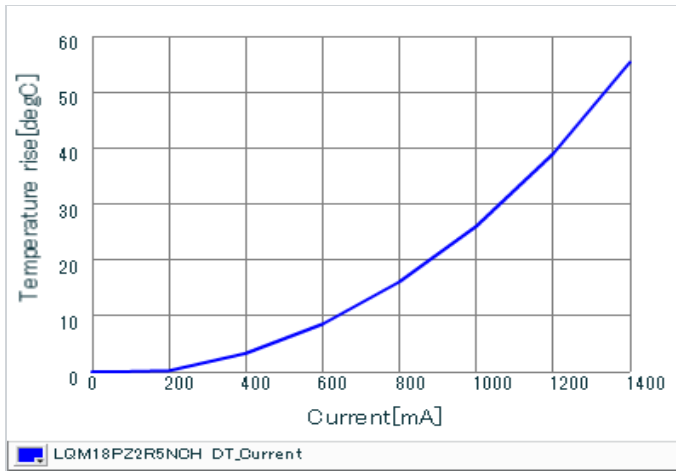
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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