

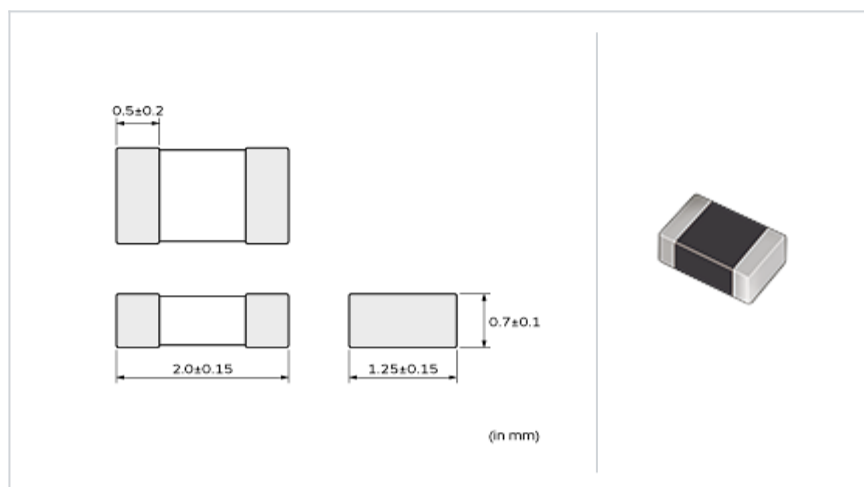
LQM21PN2R2MEH#

" # " indicates a package specification code.



< List of part numbers with package codes >
LQM21PN2R2MEHD , LQM21PN2R2MEHB

Shape



L size	2.0 ± 0.15mm
W size	1.25 ± 0.15mm
T size	0.7 ± 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
D	180mm Paper taping	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.010 g

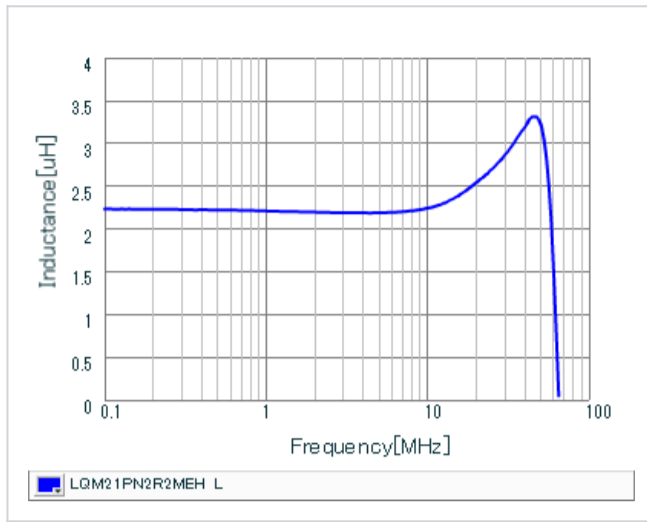
Specifications

Inductance	2.2uH ± 20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	0.3A(Max.) / 0.45A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	1.1A(Max.) / 1.4A(Typ.)
Max. of DC resistance	0.219
Avg. of DC resistance	0.175 (typ.)
Self resonance frequency (min.)	30MHz
Operating temperature range	-40 ~ 85
Class of magnetic shield	Magnetic shield of ferrite

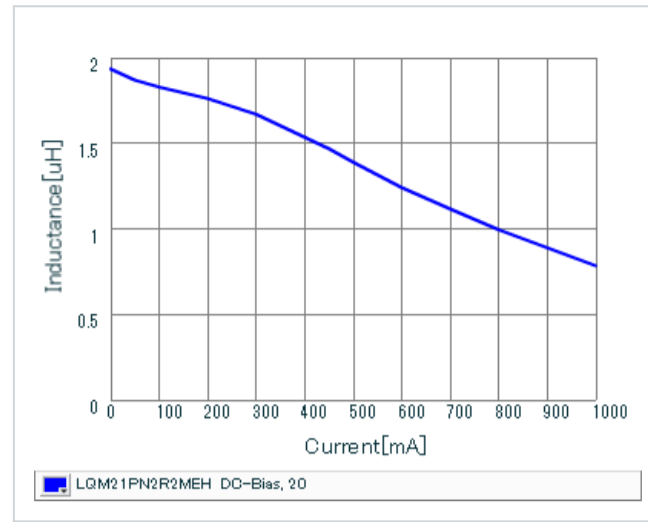
⚠ Attention

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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.

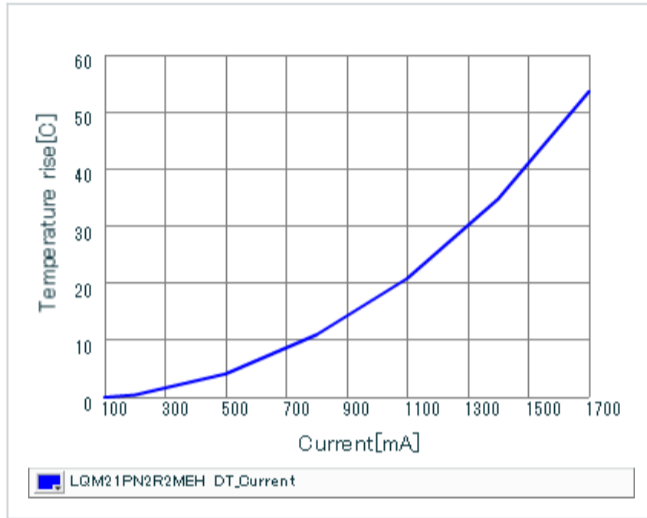
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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