

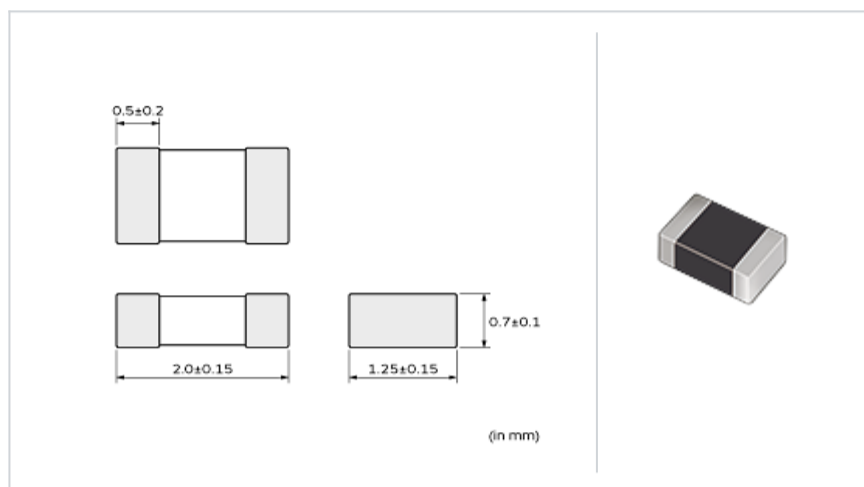
LQM21PNR24MEH#

" # " indicates a package specification code.



< List of part numbers with package codes >
LQM21PNR24MEHD , LQM21PNR24MEHB

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

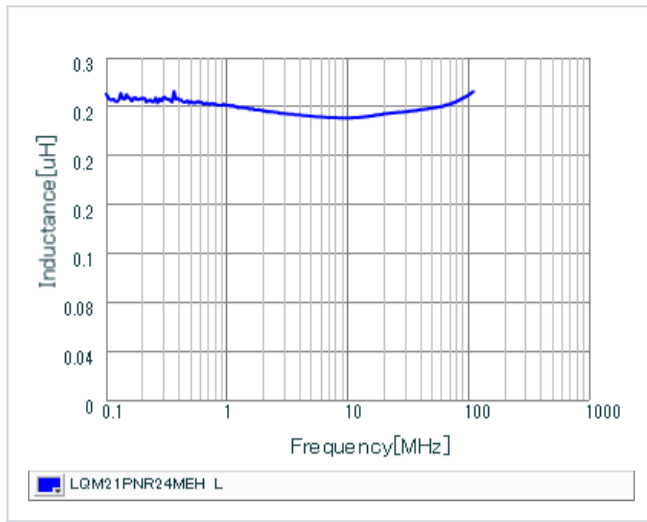
Specifications

Inductance	0.24uH ± 20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	2.8A(Max.) / 3.1A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	2.4A(Max.) / 2.9A(Typ.)
Max. of DC resistance	0.05
Avg. of DC resistance	0.04 (typ.)
Self resonance frequency (min.)	130MHz
Operating temperature range	-40 ~ 85
Class of magnetic shield	Magnetic shield of ferrite

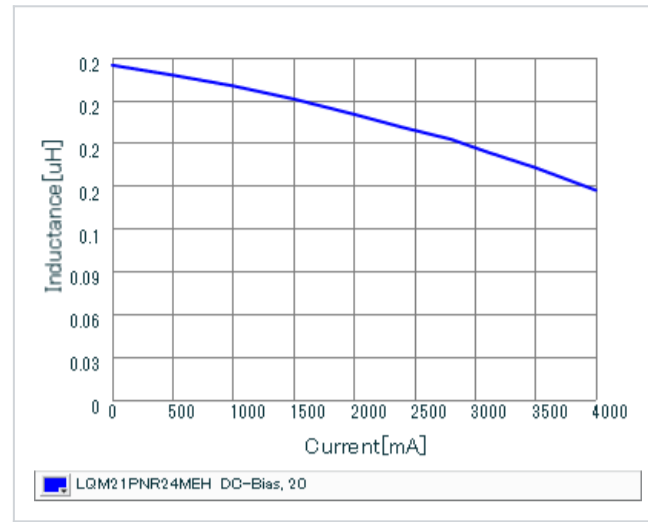
⚠ Attention

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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.

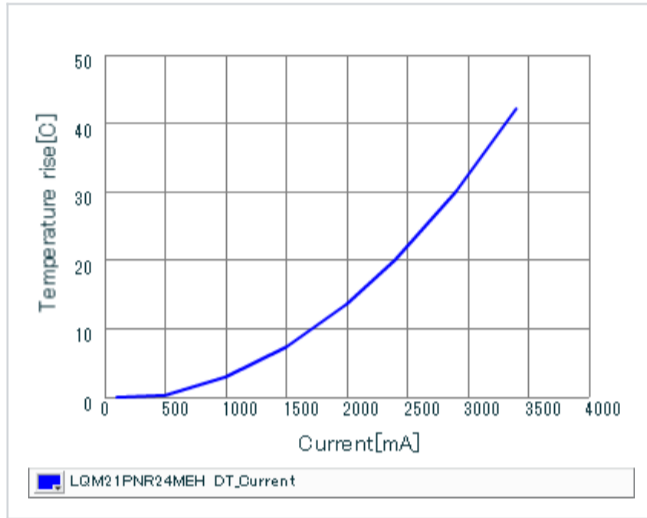
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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