

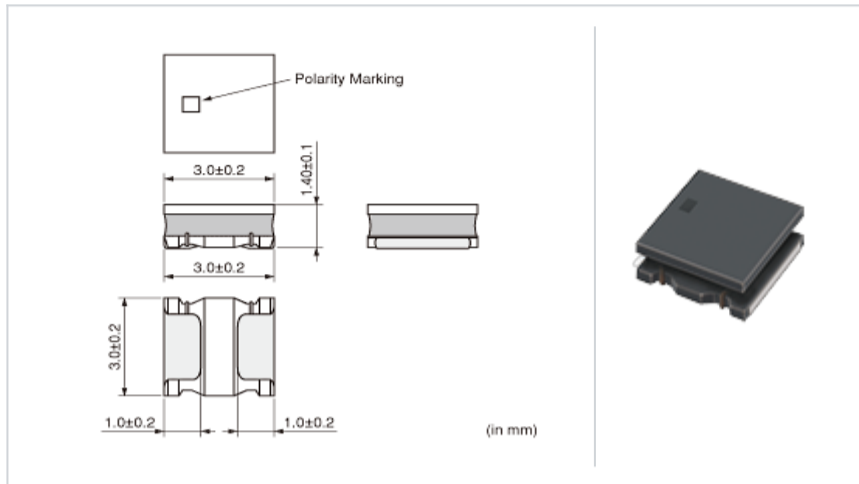
LQH3NPN100MMR#

" # " indicates a package specification code.



< List of part numbers with package codes >
LQH3NPN100MMRE , LQH3NPN100MMRF

Shape



L size	3.0 ± 0.2mm
W size	3.0 ± 0.2mm
T size	1.4 ± 0.1mm
Size code in inch (mm)	1212 (3030)

Notes

When applied Rated current to the Products, Inductance will be within ± 30% of nominal Inductance value.
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
F	330mm Embossed taping	8000
E	180mm_Embossed taping	2000

Mass (Typ.)	
1 piece	0.051g

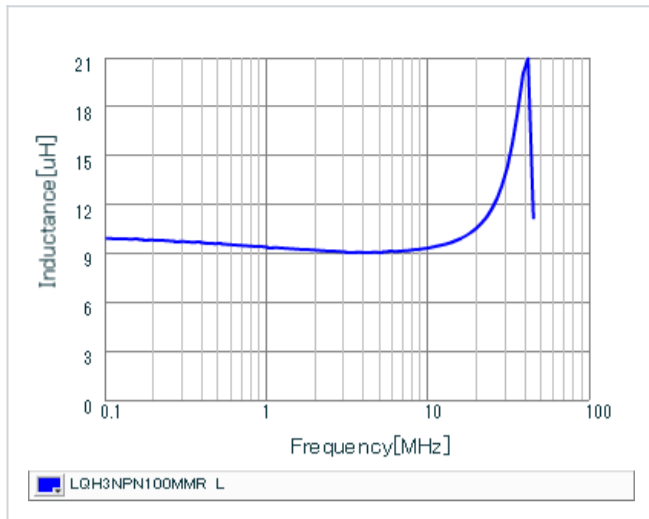
Specifications

Inductance	10µH ± 20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	590mA
Rated current (I _{temp}) (Based on Temperature rise)	1150mA
Max. of DC resistance	0.252
Avg. of DC resistance	0.210 ± 20%
Self resonance frequency (min.)	30MHz
Operating temperature range (Self-temperature rise is included)	-40 ~ 125
Operating temperature range (Self-temperature rise is not included)	-40 ~ 85
Class of magnetic shield	Magnetic shield of magnetic powder in resin

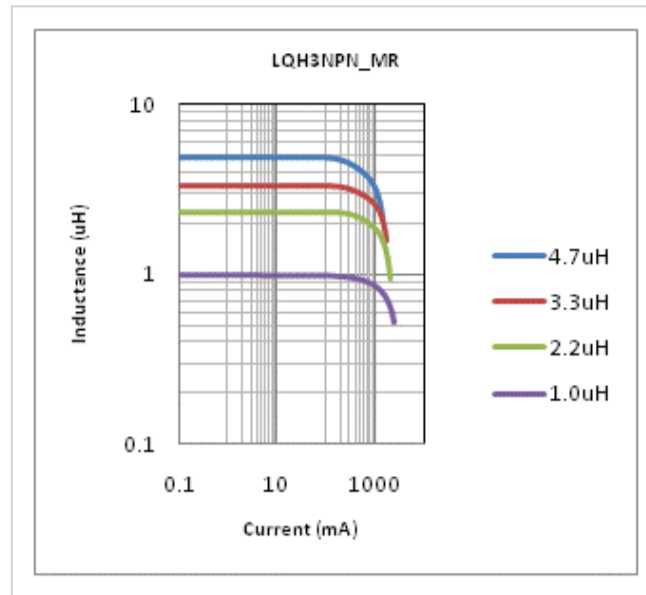
Attention

- 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.

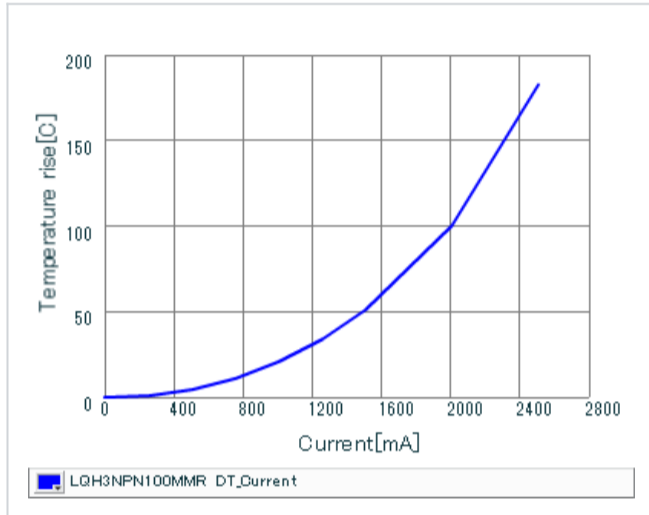
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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