

LQH3NPN100NM0#

#" indicates a package specification code.



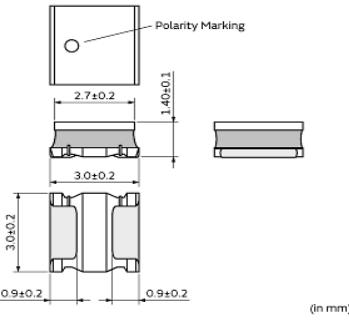
Last Time Buy Date: 31 Mar 2018

Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >

LQH3NPN100NM0L, LQH3NPN100NM0K

Shape

 (in mm)	
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 nomonal 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
L	ϕ180mm Embossed taping	1000
K	ϕ330mm Embossed taping	4000

Mass (Typ.)	
1 piece	0.051g

Specifications

Inductance	10µH ±30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	550mA
Rated current (Itemp) (Based on Temperature rise)	870mA
Max. of DC resistance	0.312Ω
Avg. of DC resistance	0.26Ω±20%
Self resonance frequency (min.)	45MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_M0

1 of 2

Attention

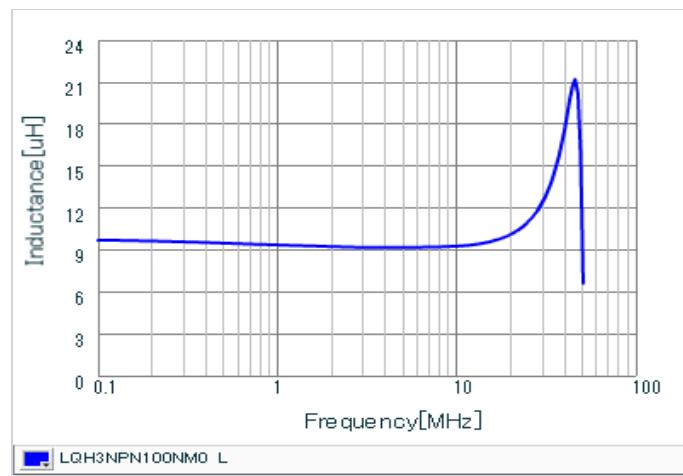
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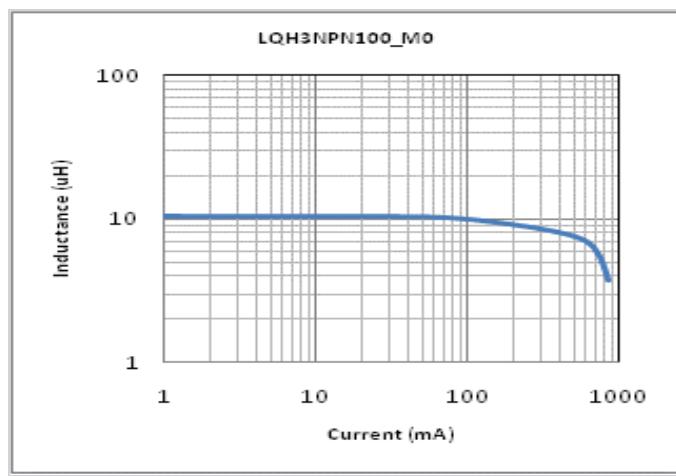
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

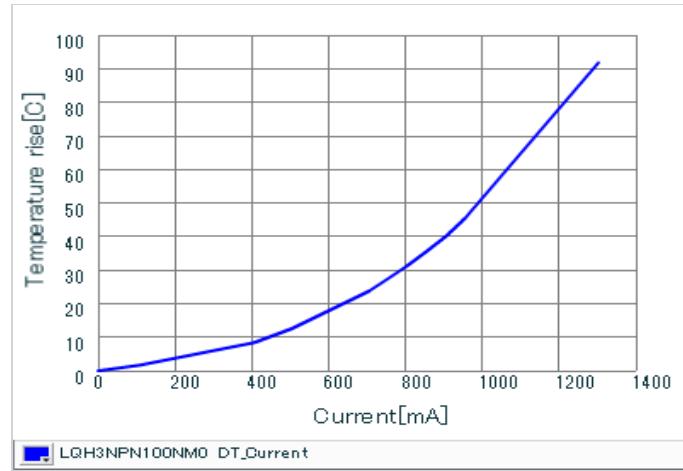
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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