

LQH3NPN220MG0#

indicates a package specification code.

Discontinued
General
85 °C max.
Wound (Ferrite)
Reflow OK
RoHS
REACH

Last Time Buy Date: 31 Mar 2018 Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >
 LQH3NPN220MG0L , LQH3NPN220MG0K

Shape

Technical drawing showing dimensions in mm: L size 3.0 ± 0.2mm, W size 3.0 ± 0.2mm, T size 0.9 ± 0.1mm. Dimensions include 2.7 ± 0.2, 0.90 ± 0.1, 3.0 ± 0.2, 3.0 ± 0.2, 0.9 ± 0.2, and 0.9 ± 0.2. A polarity marking is indicated. A 3D perspective view of the component is also shown.

L size	3.0 ± 0.2mm
W size	3.0 ± 0.2mm
T size	0.9 ± 0.1mm
Size code in inch (mm)	1212 (3030)

Notes

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value.
 When rated current is applied to the products, the 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	1500
K	φ330mm Embossed taping	6000

Mass (Typ.)	
1 piece	0.034g

Specifications

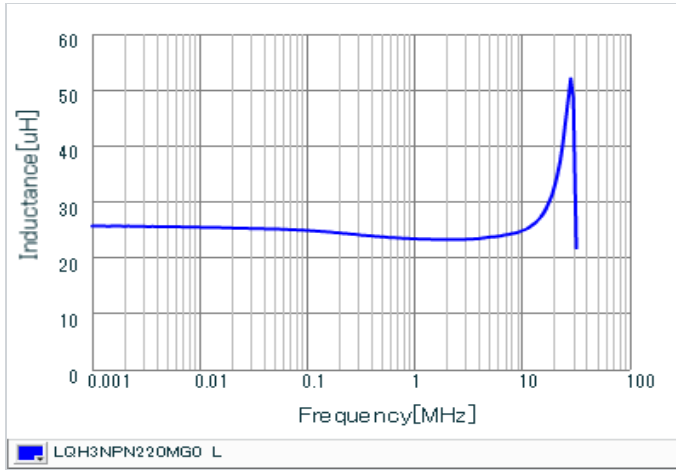
Inductance	22μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	340mA
Rated current (I _{temp}) (Based on Temperature rise)	430mA
Max. of DC resistance	1.32Ω
Avg. of DC resistance	1.1Ω ±20%
Self resonance frequency (min.)	25MHz
Operating temperature range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

Attention

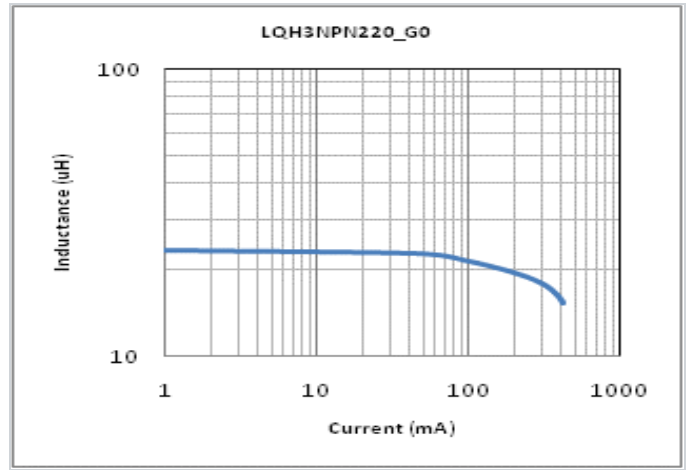
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

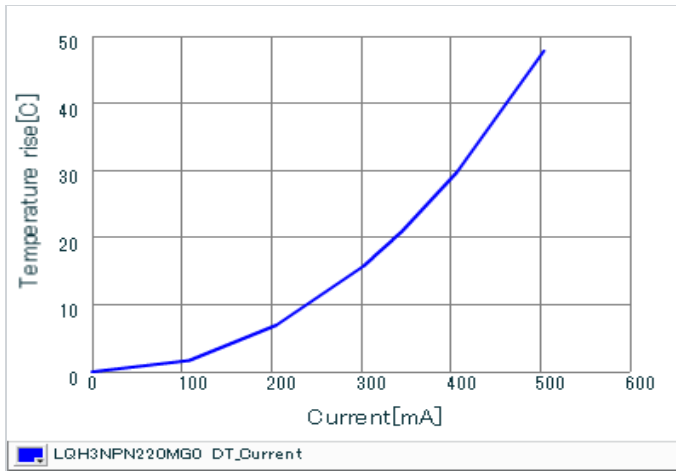
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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