

## LQH3NPN150MM0#

#" indicates a package specification code.



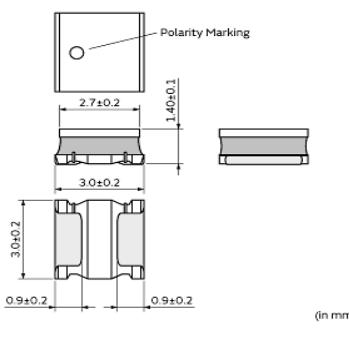
Last Time Buy Date: 31 Mar 2018

Date of discontinuation: 30 Sep 2018

&lt; List of part numbers with package codes &gt;

LQH3NPN150MM0L, LQH3NPN150MM0K

## Shape

|  |   |
|--|---|
| <br>(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  | 15µH ±20%      |
| Inductance test frequency   | 1MHz           |
| Rated current (Isat) (Based on Inductance change)                   | 520mA          |
| Rated current (Itemp) (Based on Temperature rise)                   | 730mA          |
| Max. of DC resistance   | 0.432Ω         |
| Avg. of DC resistance   | 0.36Ω±20%      |
| Self resonance frequency (min.)                                     | 30MHz          |
| 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

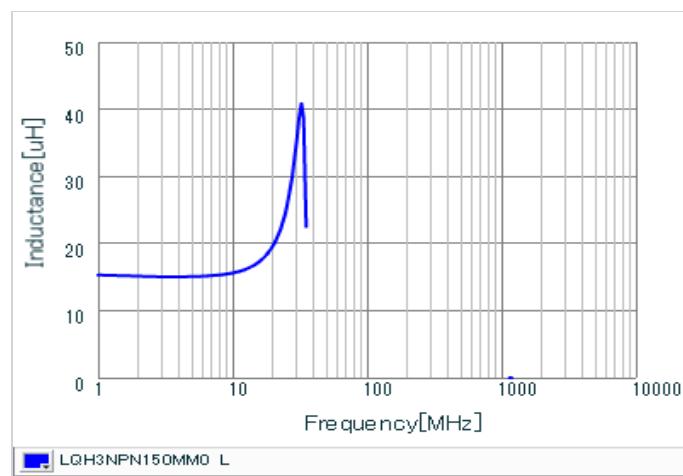
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. 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.

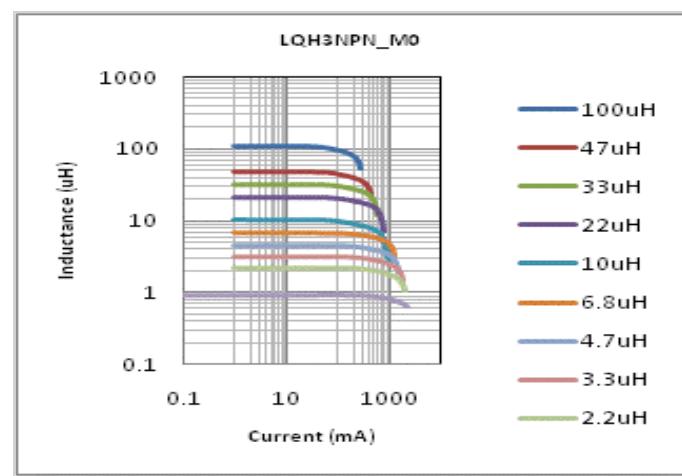
## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

Inductance-Frequency characteristics (Typ.)

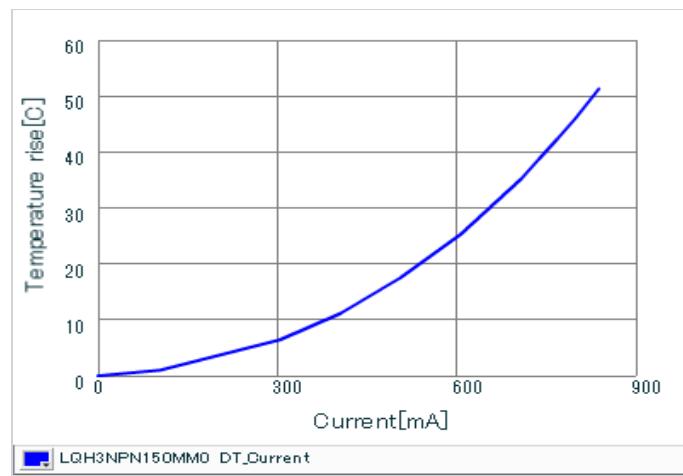


LQH3NPN150MM0 L

Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



LQH3NPN150MM0 DT\_Current

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