

# LQH3NPN101MG0#

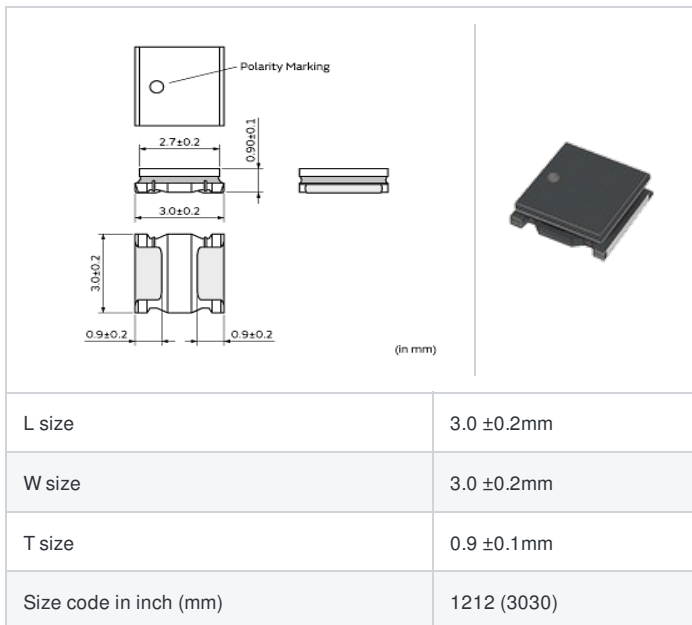
# indicates a package specification code.



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

< List of part numbers with package codes >  
LQH3NPN101MG0L , LQH3NPN101MG0K

## Shape



## 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 |

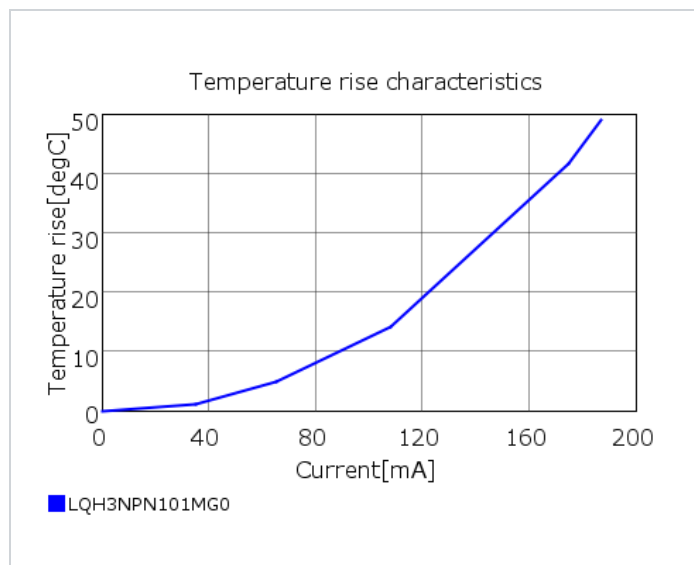
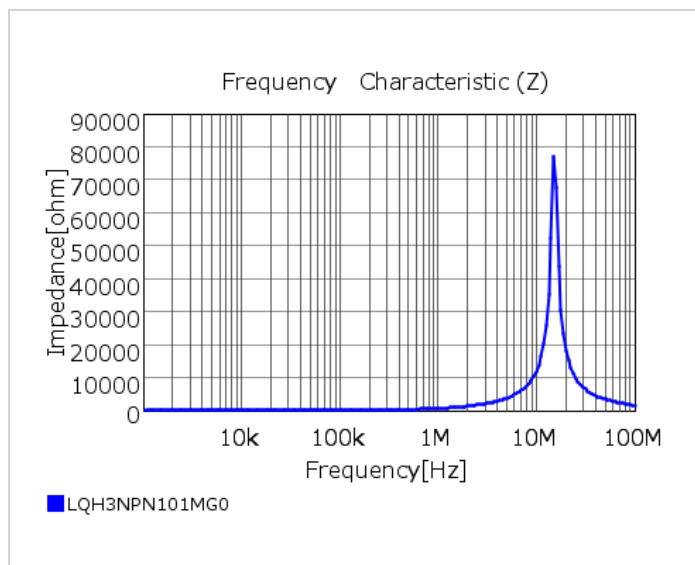
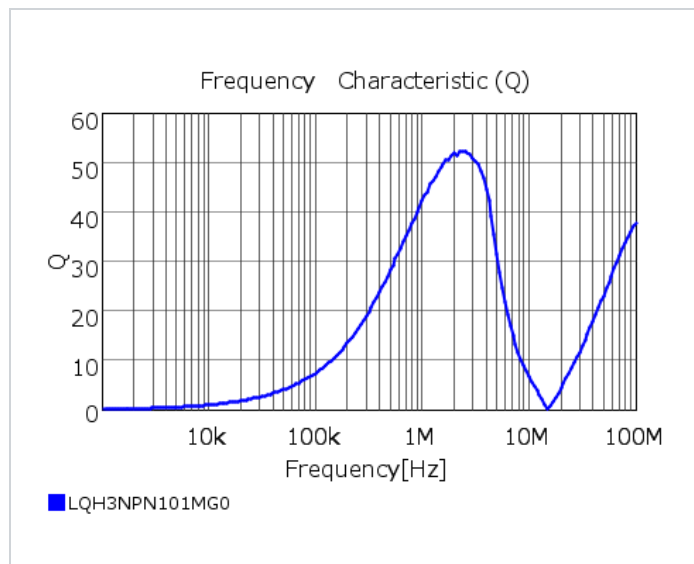
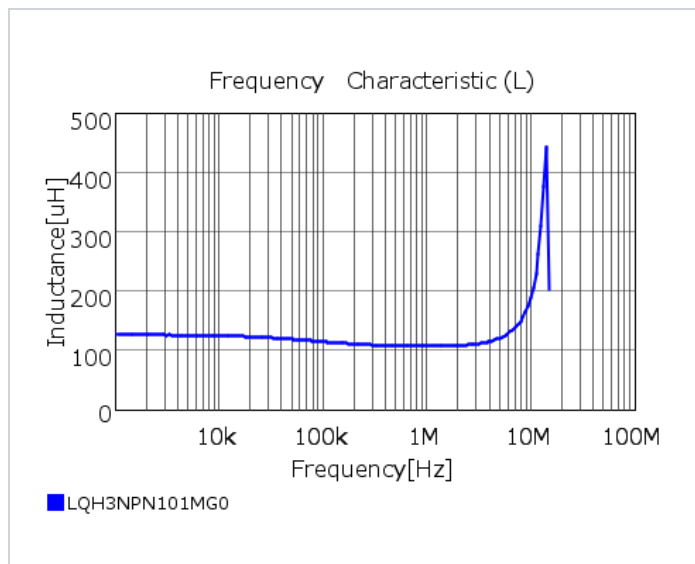
## Specifications

|   |                |
|---|----------------|
| Inductance  | 100μH ±20%     |
| Inductance test frequency   | 1MHz           |
| Rated current (Isat) (Based on Inductance change)                   | 140mA          |
| Rated current (Itemp) (Based on Temperature rise)                   | 165mA          |
| Max. of DC resistance   | 9.60Ω          |
| Avg. of DC resistance   | 8.0Ω ±20%      |
| Self resonance frequency (min.)                                     | 10MHz          |
| Operating temperature range (Self-temperature rise is not included) | -40°C to 85°C  |
| Class of magnetic shield  | Magnetic Resin |
| Series  | LQH3NPN_G0     |

1 of 2

### Attention

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