

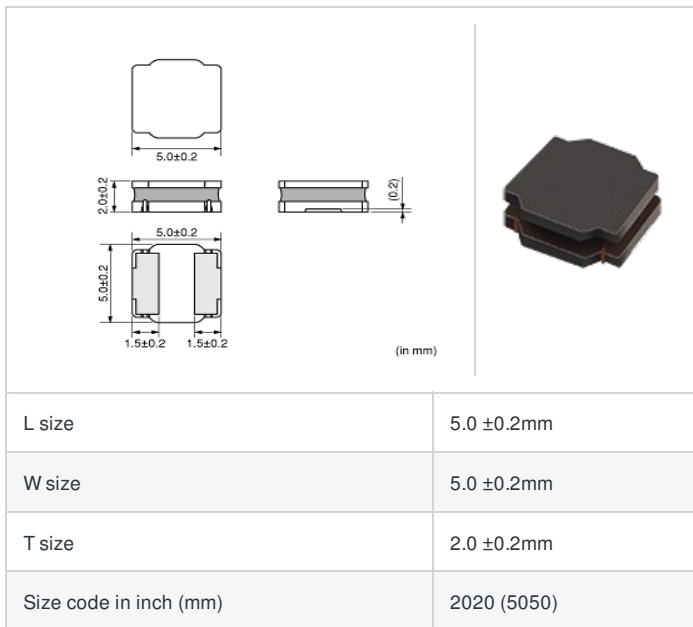
# LQH5BPB1R0NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPB1R0NT0L , LQH5BPB1R0NT0K

## 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 | 500              |
| K              | φ330mm Embossed taping | 3000             |

| Mass (Typ.) |       |
|-------------|-------|
| 1 piece     | 0.22g |

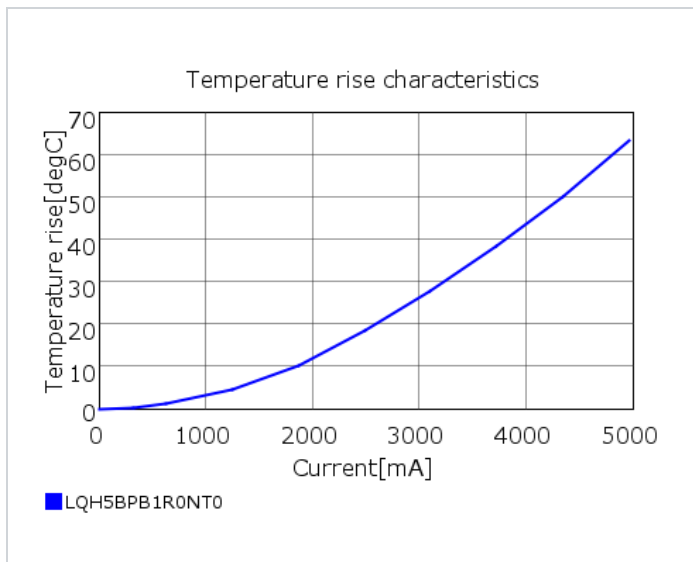
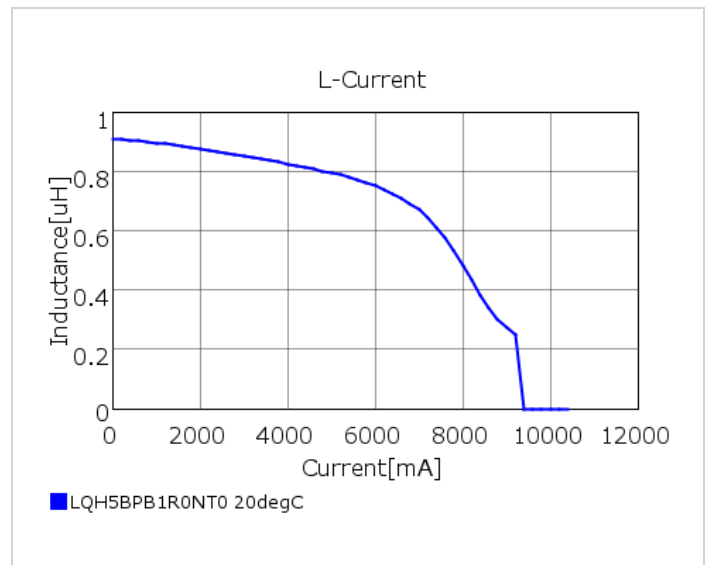
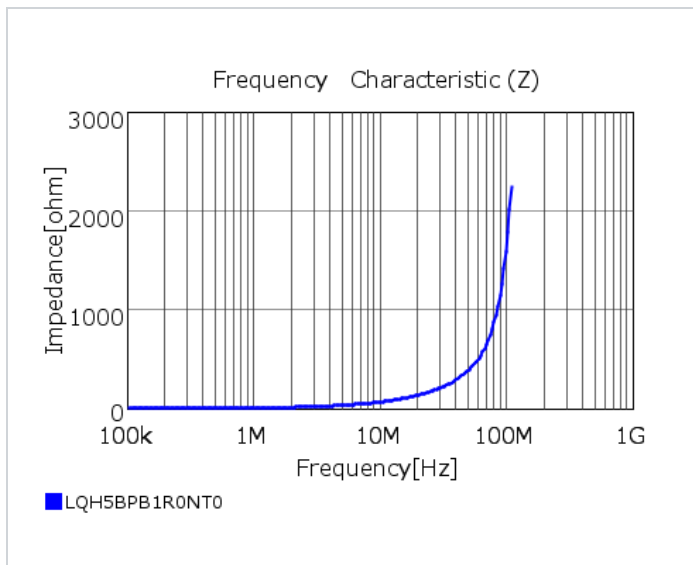
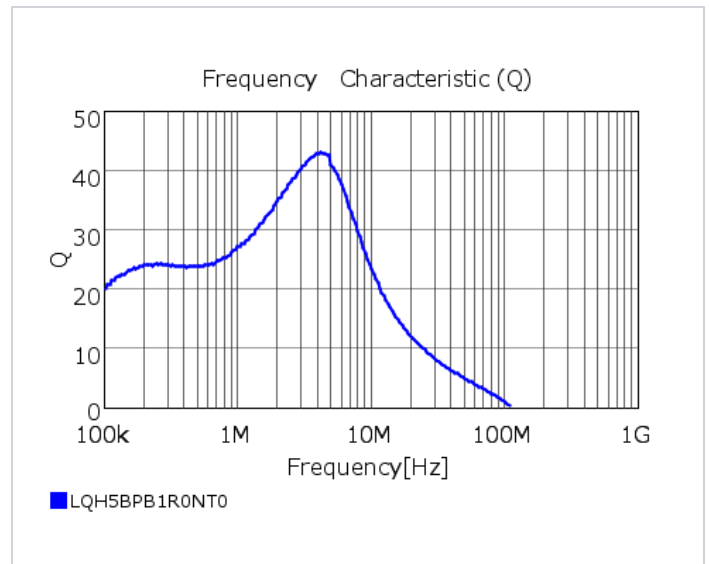
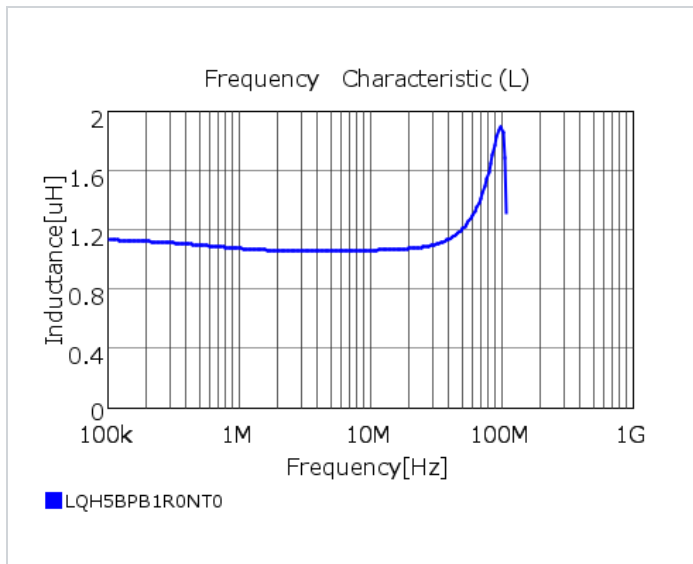
## Specifications

|   |  |
|---|--|
| Inductance  | 1.0μH ±30%   |
| Inductance test frequency   | 100kHz   |
| Rated current (Isat) (Based on Inductance change)                   | 5.8A   |
| Rated current (Itemp) (Based on Temperature rise)                   | 3.1A(Ambient temp.85°C)<br>1.68A(Ambient temp.105°C) |
| Max. of DC resistance   | 0.0228Ω  |
| Avg. of DC resistance   | 0.019Ω ±20%  |
| Self resonance frequency (min.)                                     | 90MHz  |
| Operating temperature range (Self-temperature rise is included)     | -40°C to 125°C                                       |
| Operating temperature range (Self-temperature rise is not included) | -40°C to 105°C                                       |
| Class of magnetic shield  | Magnetic Resin                                       |
| Series  | LQH5BPB_T0   |

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### Attention

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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.



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