

LQH5BPB1R5NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH5BPB1R5NT0L , LQH5BPB1R5NT0K

Shape

| | |
|------------------------|-------------|
| <p>(in mm)</p> | |
| L size | 5.0 ±0.2mm |
| W size | 5.0 ±0.2mm |
| T size | 2.0 ±0.2mm |
| Size code in inch (mm) | 2020 (5050) |

Notes

When rated current is applied to the products, inductance will be within $\pm 30\%$ 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 |

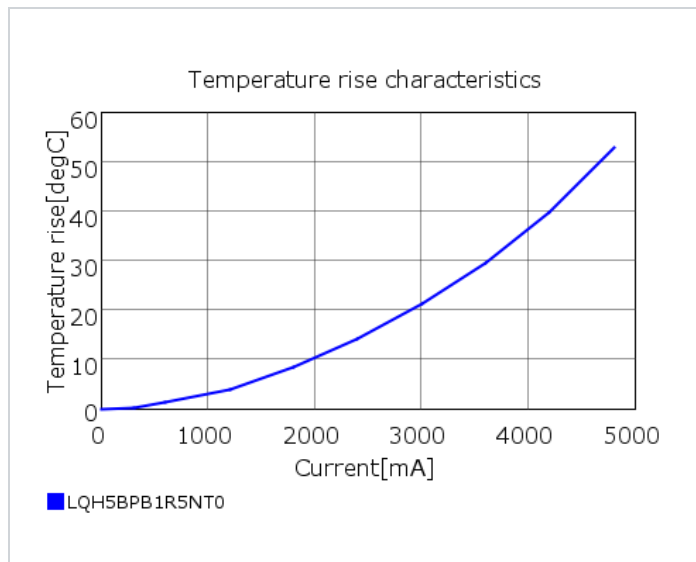
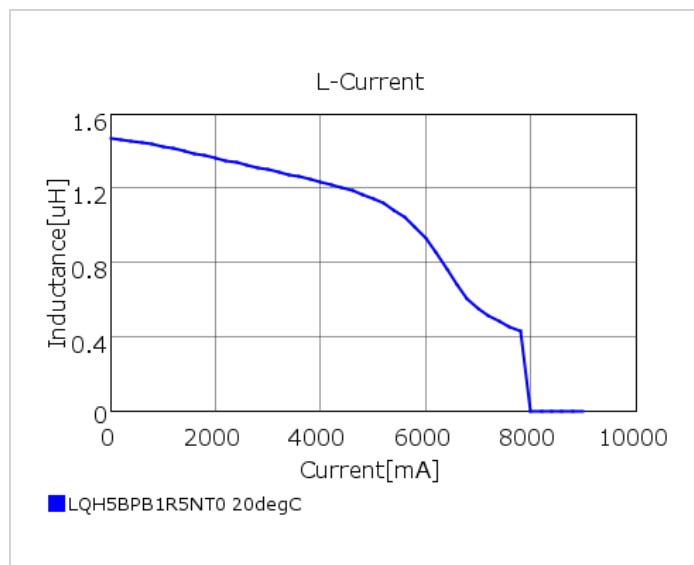
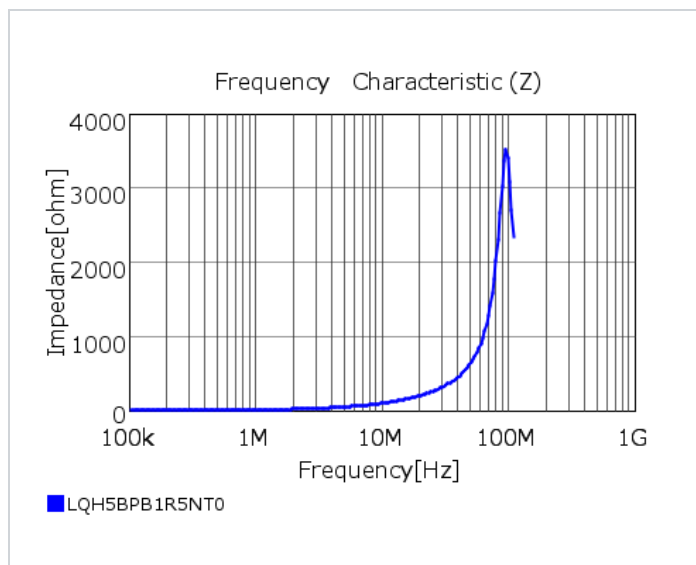
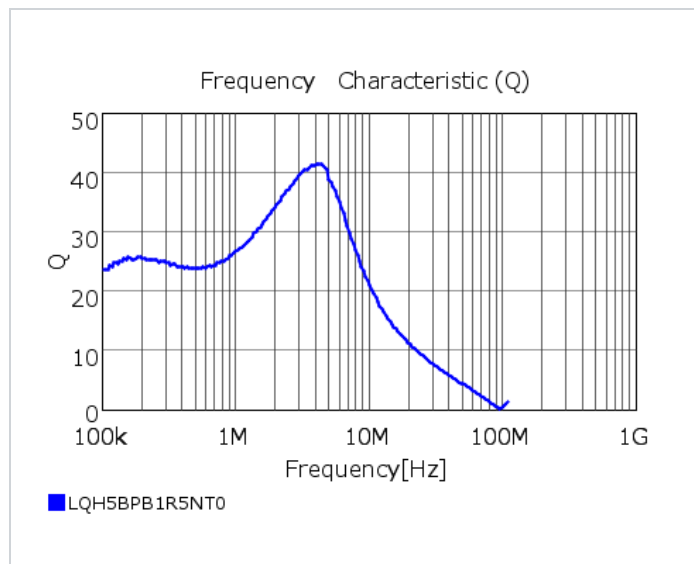
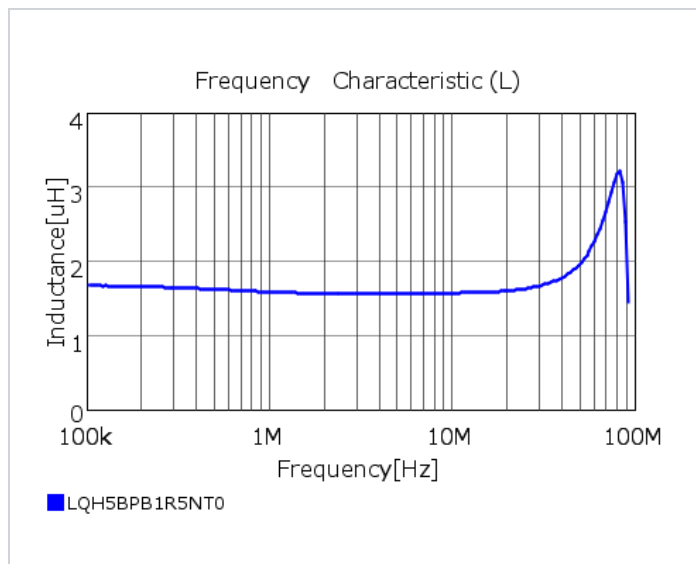
Specifications

| | |
|---|--|
| Inductance | 1.5μH $\pm 30\%$ |
| Inductance test frequency | 100kHz |
| Rated current (Isat) (Based on Inductance change) | 5.0A |
| Rated current (Itemp) (Based on Temperature rise) | 3.0A(Ambient temp.85°C) 1.63A(Ambient temp.105°C) |
| Max. of DC resistance | 0.0288Ω |
| Avg. of DC resistance | 0.024Ω $\pm 20\%$ |
| Self resonance frequency (min.) | 70MHz |
| 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 |

1 of 2

Attention

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