



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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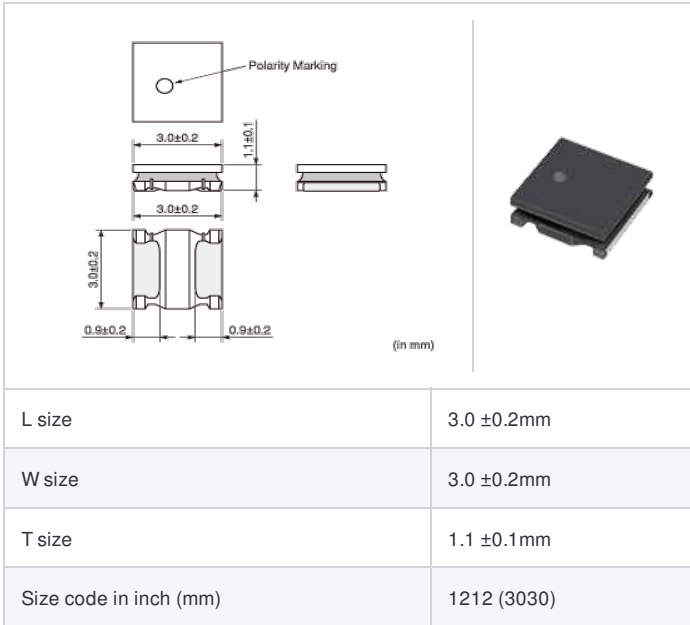
LQH3NPN100MJ0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH3NPN100MJ0L , LQH3NPN100MJ0K

Shape



Notes

When applied Rated current to the Products, Inductance will be within ±30% of nominal 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 | 5000 |

| Mass (Typ.) | |
|-------------|--------|
| 1 piece | 0.045g |

Specifications

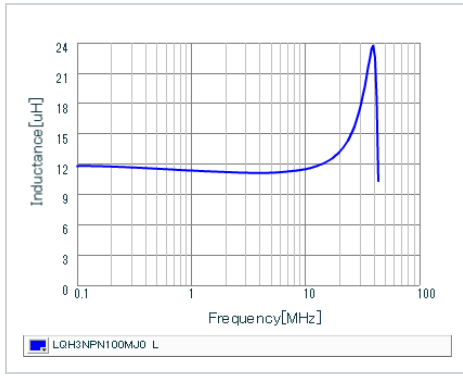
| | |
|---|----------------|
| Inductance | 10μH ±20% |
| Inductance test frequency | 1MHz |
| Rated current (I _{sat}) (Based on Inductance change) | 560mA |
| Rated current (I _{temp}) (Based on Temperature rise) | 710mA |
| Max. of DC resistance | 0.360Ω |
| Avg. of DC resistance | 0.300Ω±20% |
| Self resonance frequency (min.) | 35MHz |
| 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_J0 |

Attention

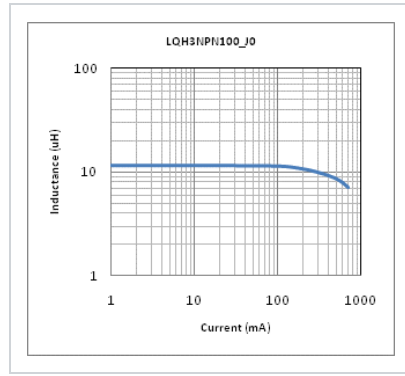
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

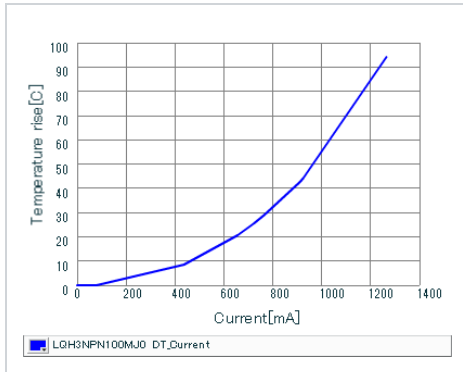
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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