



THE DATASHEET OF LQH2HPN100MGRL



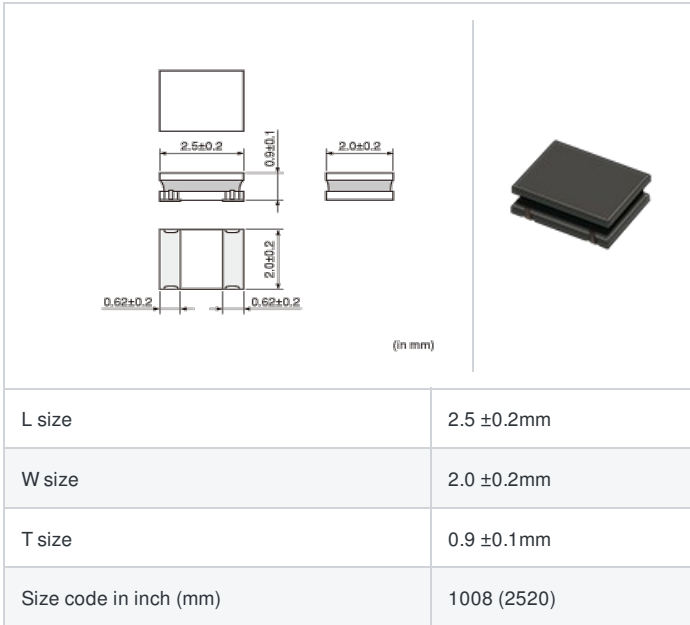
LQH2HPN100MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH2HPN100MGRL

Shape



Notes

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range.
Keep the temperature (ambient temperature plus self-generation of heat) under 125 °C.
When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40 °C (at the rated current under 85 °C) or 20 °C (at the rated current under 105 °C).

References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.019g

Specifications

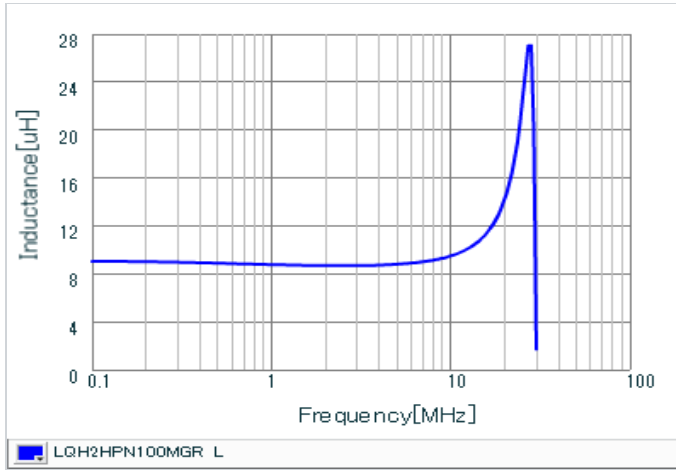
Inductance	10μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	700mA
Rated current (I _{temp}) (Based on Temperature rise)	710mA(Ambient temp.85°C) 430mA(Ambient temp.105°C)
Max. of DC resistance	0.672Ω
Avg. of DC resistance	0.560Ω ±20%
Self resonance frequency (min.)	30MHz
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	LQH2HPN_GR

Attention

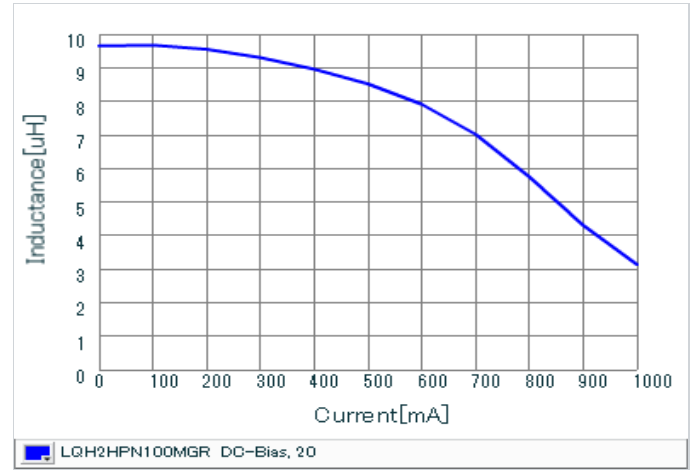
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

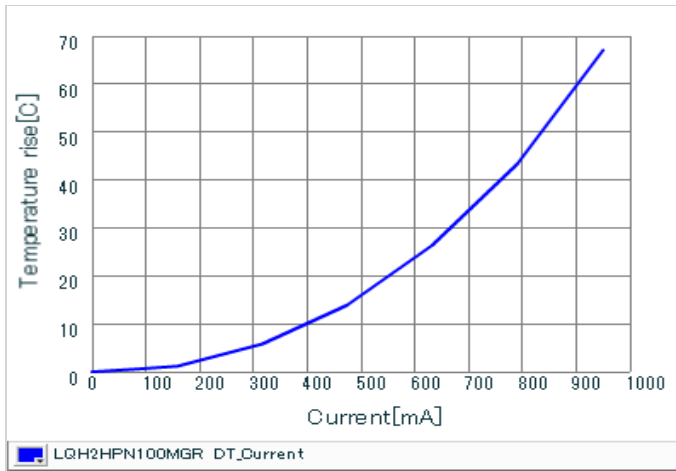
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)





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