

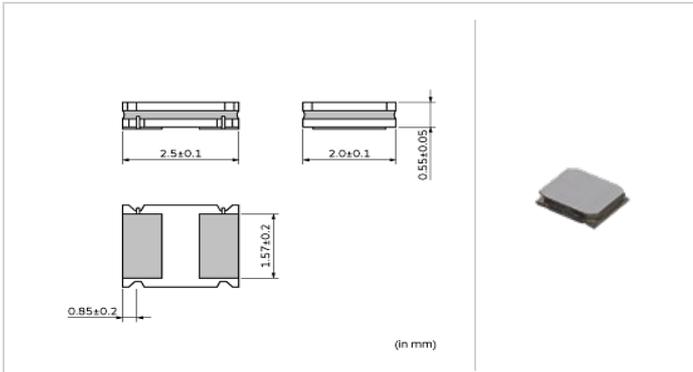
LQH2HPN100MDR#

indicates a package specification code.



< List of part numbers with package codes >
LQH2HPN100MDRL

Shape



L size	2.5 ±0.1mm
W size	2.0 ±0.1mm
T size	0.55 ±0.05mm
Size code in inch (mm)	1008 (2520)

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 self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C).
 When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85-105°C).

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	4000

Mass (Typ.)	
1 piece	0.010g

Specifications

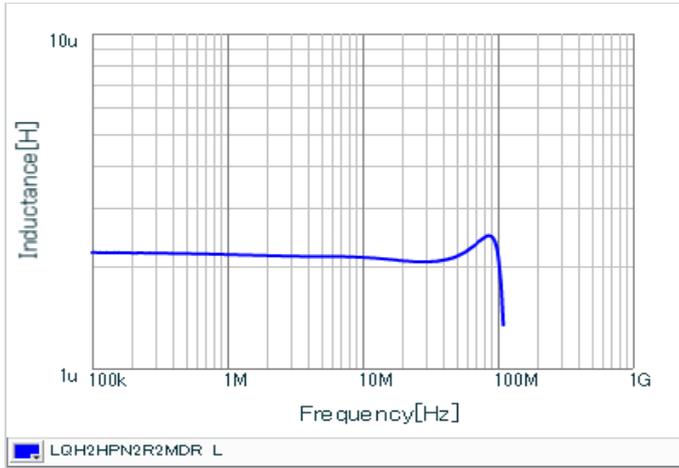
Inductance	10μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	420mA
Rated current (I _{temp}) (Based on Temperature rise)	430mA(Ambient temp.85°C) 260mA(Ambient temp.105°C)
Max. of DC resistance	1.44Ω
Avg. of DC resistance	1.2Ω ±20%
Self resonance frequency (min.)	30MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~105°C
Class of magnetic shield	Magnetic Resin
Series	LQH2HPN_DR

Attention

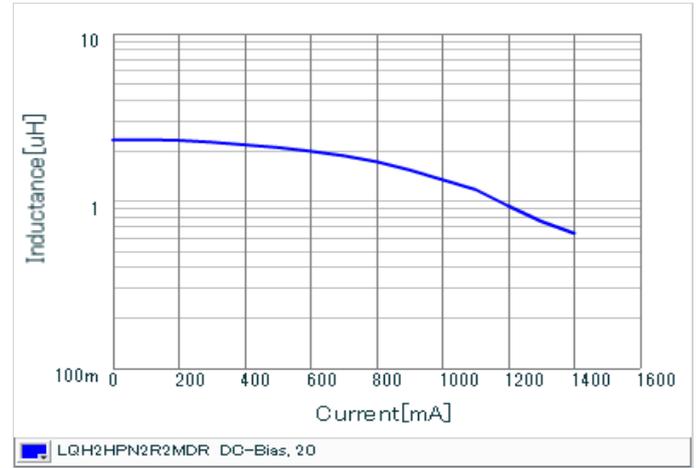
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

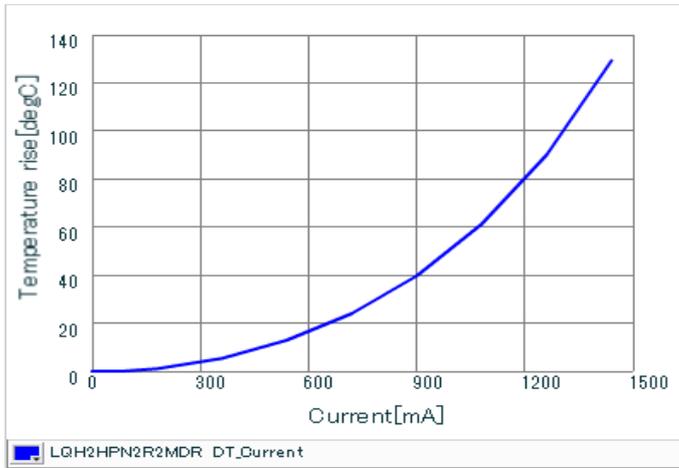
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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