

muRata Inductor Data Sheet

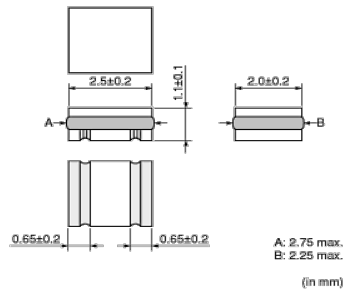
LQH2HPZ100MJR#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH2HPZ100MJRL

Shape



Notes

When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of initial inductance value range.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.
When applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40°C max. (Ambient temperature 85°C).
When applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 20°C max. (Ambient temperature 85-105°C).

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	2000

Mass (Typ.)	
1 piece	0.023g

Specifications

Inductance	10μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	830mA
Rated current (Itemp) (Based on Temperature rise)	830mA (Ambient temp. 85°C) 490mA (Ambient temp. 105°C)
Max. of DC resistance	0.456Ω
Avg. of DC resistance	0.38Ω $\pm 20\%$
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

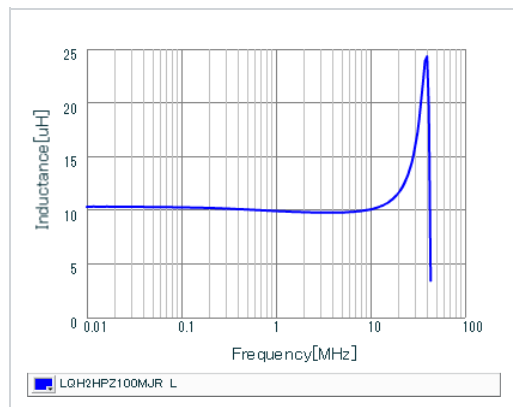
1 of 2

Attention

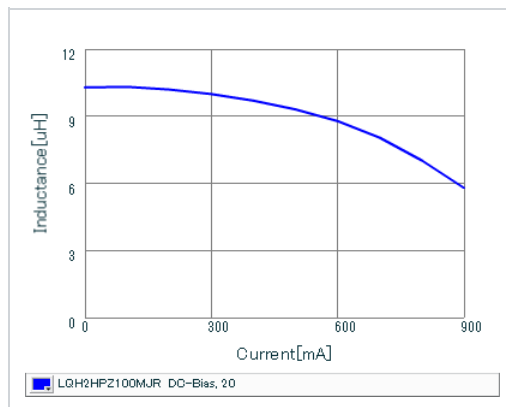
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2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

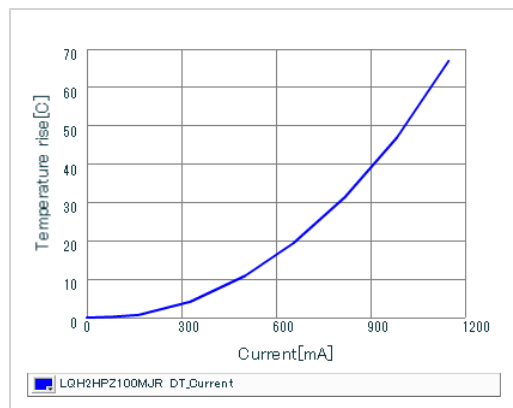
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



⚠ Attention

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