

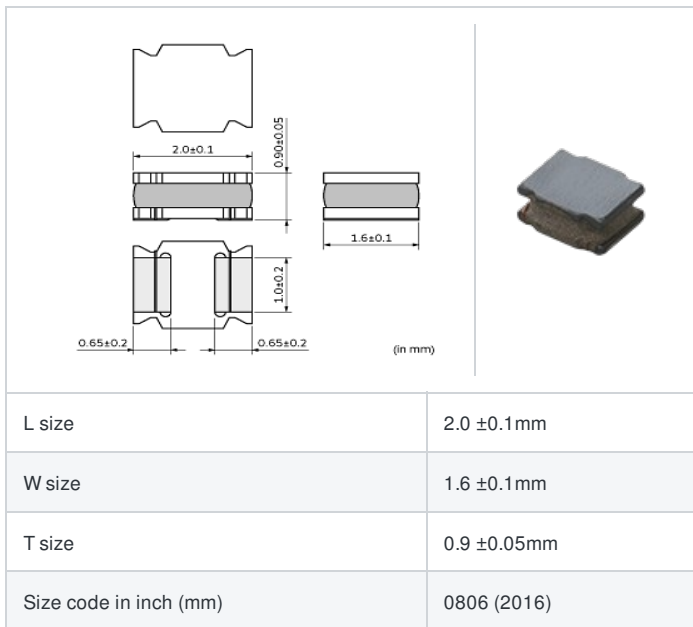
LQH2MPZ6R8MGR#

indicates a package specification code.



< List of part numbers with package codes >
LQH2MPZ6R8MGRL

Shape



Notes

When rated current is applied 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 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°C to 105°C).

References

Packaging code	Specifications	Minimum quantity
L	$\phi 180$ mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.010g

Specifications

Inductance	$6.8\mu\text{H} \pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	730mA
Rated current (Itemp) (Based on Temperature rise)	530mA(Ambient temp. 85°C) 310mA(Ambient temp. 105°C)
Max. of DC resistance	0.864Ω
Avg. of DC resistance	$0.72\Omega \pm 20\%$
Self resonance frequency (min.)	35MHz
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	Ferrite Core
Series	LQH2MPZ_GR

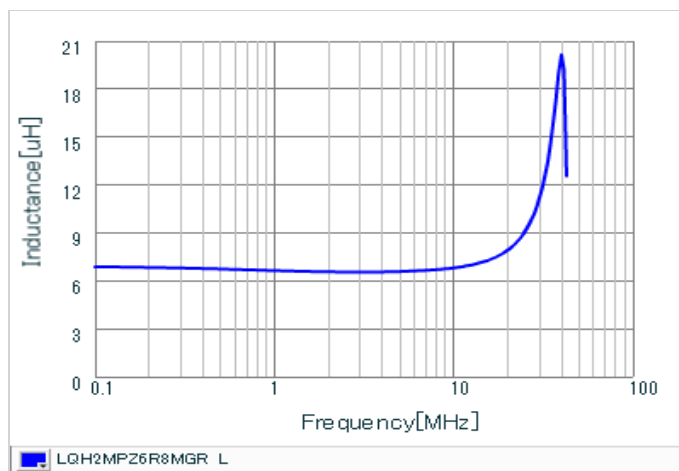
1 of 2

Attention

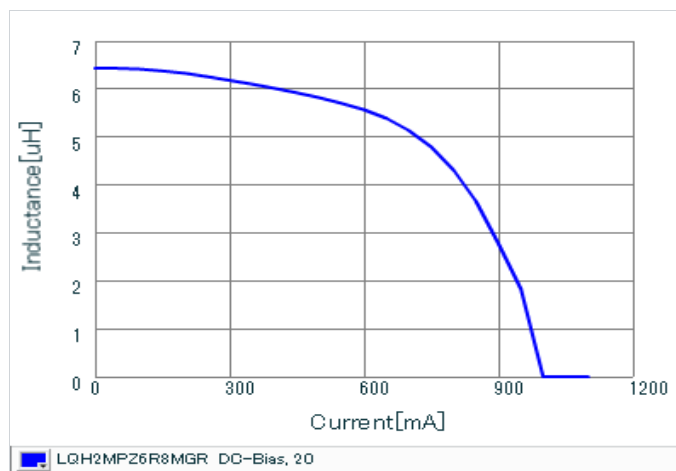
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2.This datasheet has only typical specifications because there is no space for detailed specifications.
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

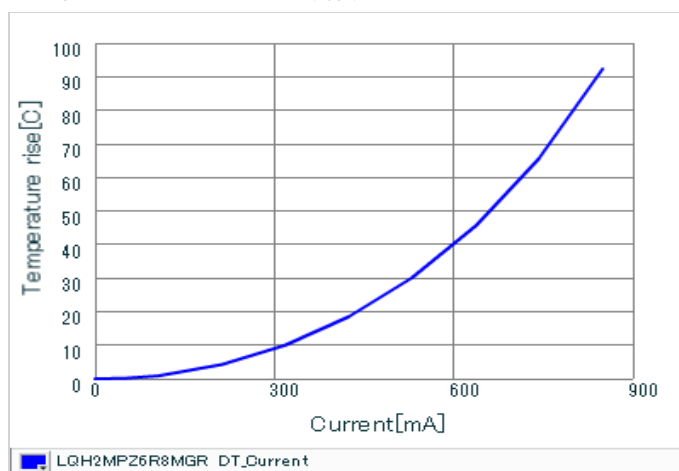
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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