

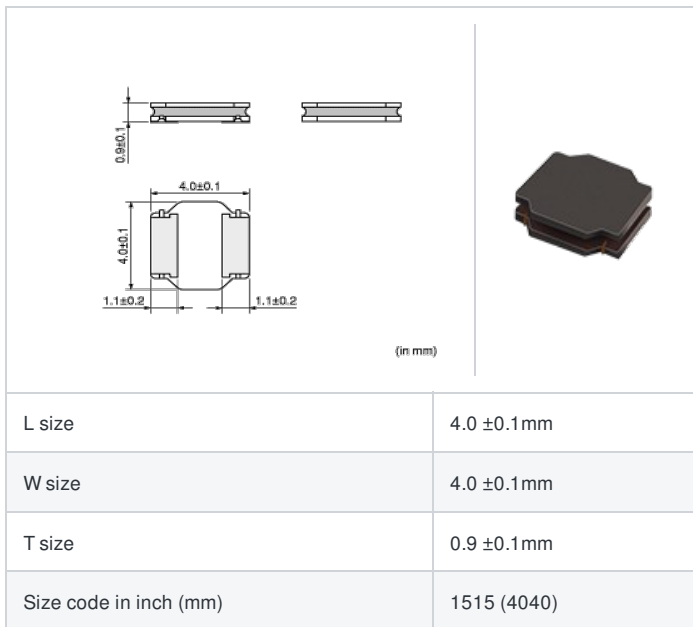
LQH44PN100MGR#

indicates a package specification code.



< List of part numbers with package codes >
LQH44PN100MGRL , LQH44PN100MGRK

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 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	φ180mm Embossed taping	1000
K	φ330mm Embossed taping	4500

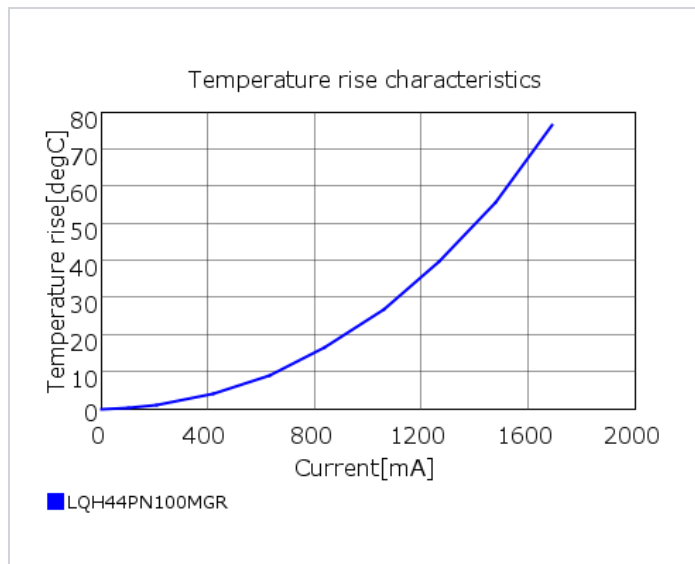
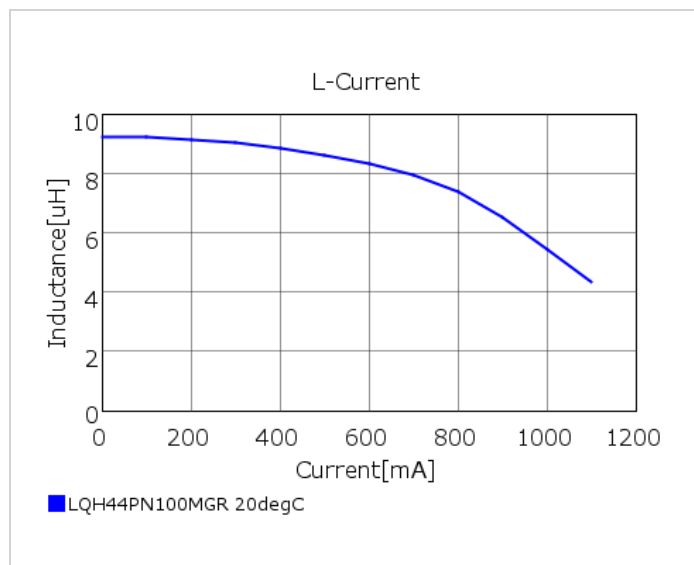
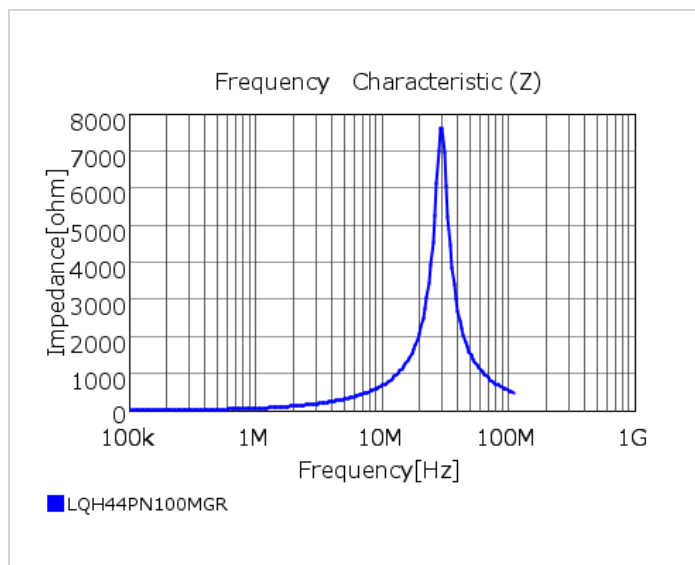
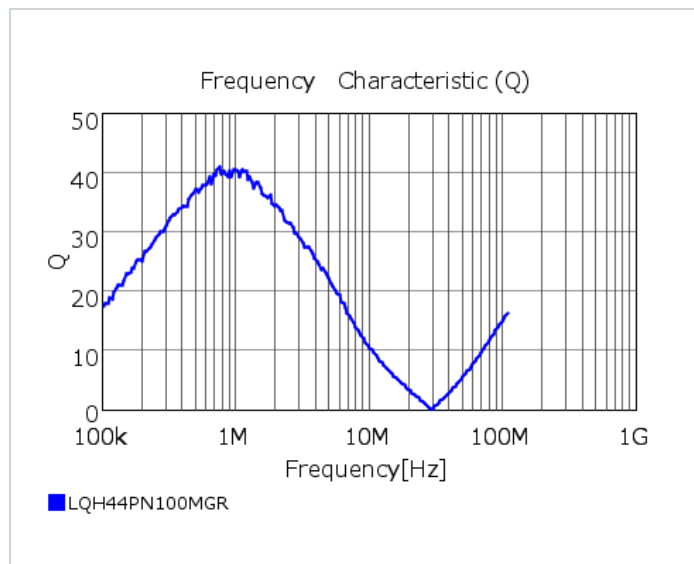
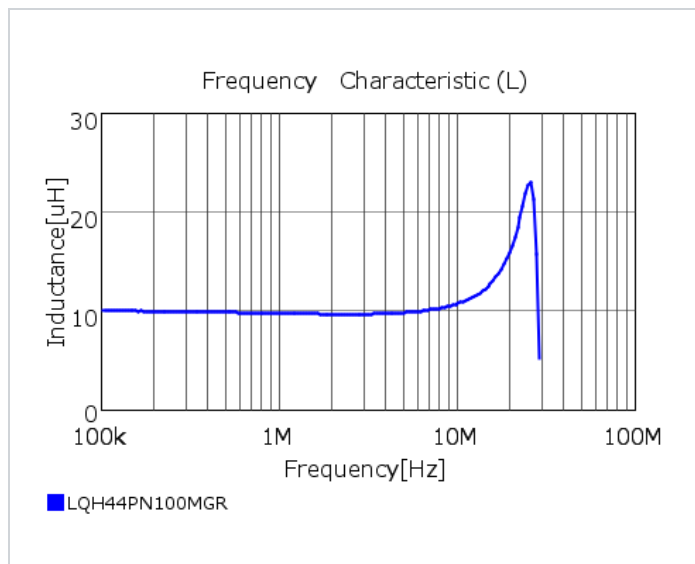
Mass (Typ.)	
1 piece	0.059g

Specifications

Inductance	10μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	800mA
Rated current (Itemp) (Based on Temperature rise)	1100mA(Ambient temp.85°C) 660mA(Ambient temp.105°C)
Max. of DC resistance	0.324Ω
Avg. of DC resistance	0.27Ω±20%
Self resonance frequency (min.)	13MHz
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	LQH44PN_GR

Attention

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- 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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