

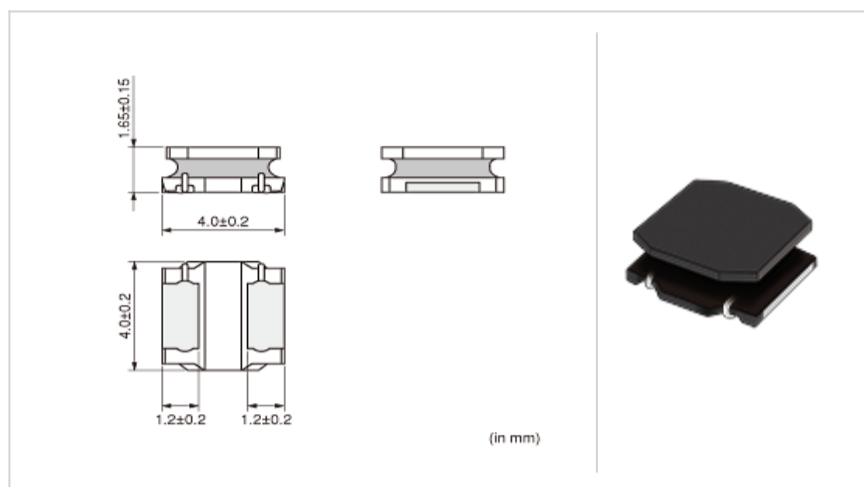
LQH44PN4R7MP0#

" # " indicates a package specification code.

Available **General** **85** **Wound (Shield)** **Thickness 1.8mm max.** **Reflow OK** **RoHS**

< List of part numbers with package codes >
LQH44PN4R7MP0L , LQH44PN4R7MP0K

Shape



L size	4.0 ± 0.2mm
W size	4.0 ± 0.2mm
T size	1.65 ± 0.15mm
Size code in inch (mm)	1515 (4040)

Notes

When applied Rated current to the Products, Inductance will be within ± 30% of initial Inductance value.
When applied Rated current to the Products , self temperature rise shall be limited to 40 max.
Keep the temperature (ambient temperature plus self-generation o f heat) under 125

References

Packaging code	Specifications	Minimum quantity
L	180mm Embossed taping	1000
K	330mm Embossed taping	3500

Mass (Typ.)	
1 piece	0.10g

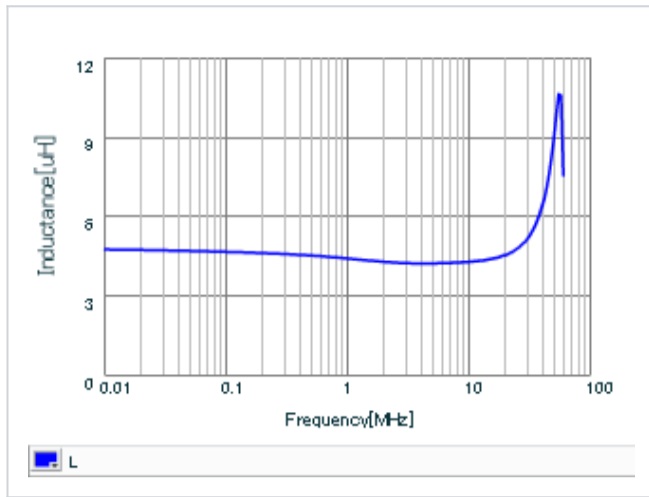
Specifications

Inductance	4.7μH ± 20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1700mA
Rated current (Itemp) (Based on Temperature rise)	1700mA
Max. of DC resistance	0.0960
Avg. of DC resistance	0.080 ± 20%
Self resonance frequency (min.)	40MHz
Operating temperature range (Self-temperature rise is included)	-40 ~ 125
Operating temperature range (Self-temperature rise is not included)	-40 ~ 85
Class of magnetic shield	Magnetic shield of magnetic powder in resin

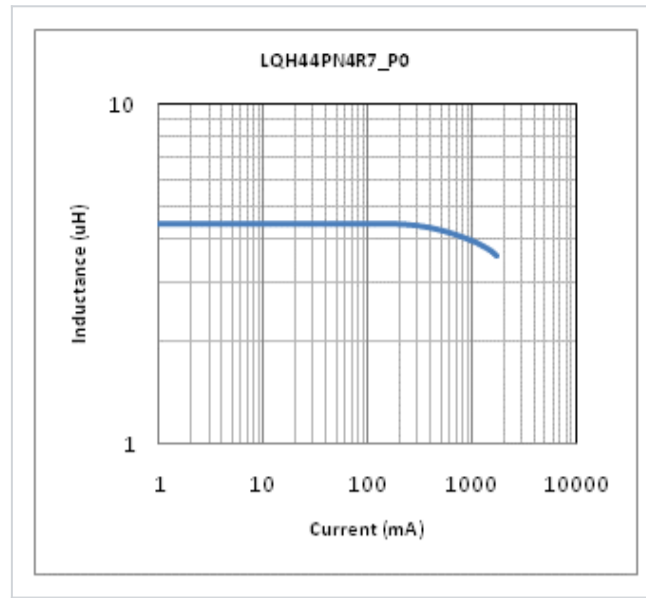
Attention

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- 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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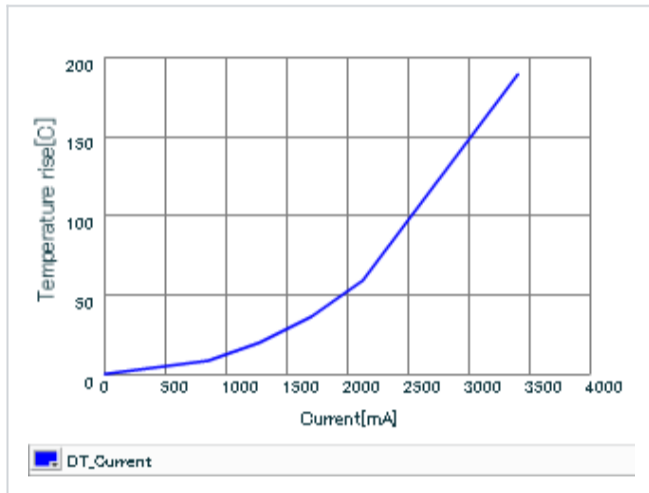
▪ Inductance-Frequency characteristics (Typ.)



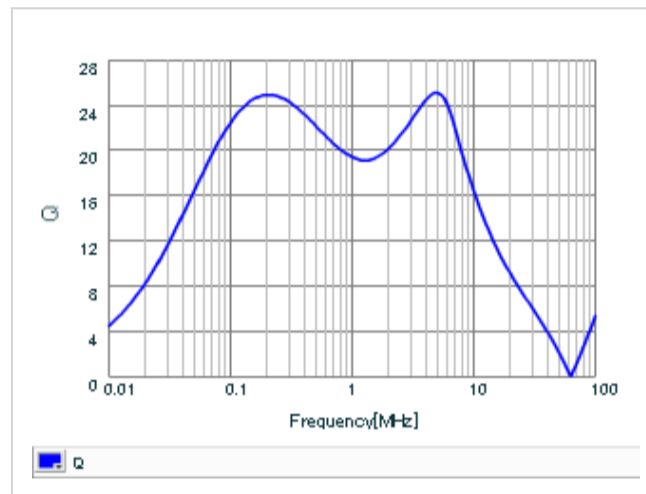
▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



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