

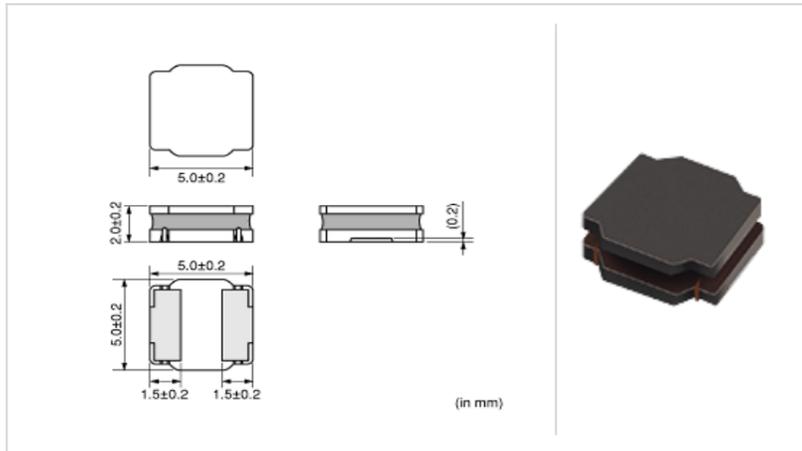
LQH5BPB1R5NT0#

" # " indicates a package specification code.



< List of part numbers with package codes >
LQH5BPB1R5NT0L , LQH5BPB1R5NT0K

Shape



L size	5.0 ± 0.2mm
W size	5.0 ± 0.2mm
T size	2.0 ± 0.2mm
Size code in inch (mm)	2020 (5050)

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	500
K	330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

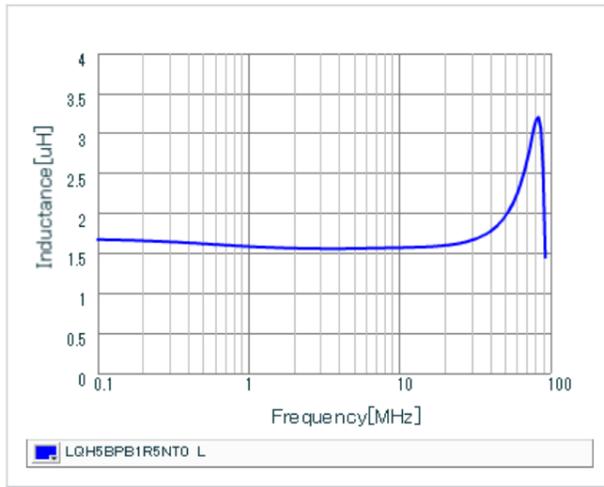
Specifications

Inductance	1.5μH ± 30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5.0A
Rated current (Itemp) (Based on Temperature rise)	3.0A(Ambient temperature 85) 1.63A(Ambient temperature 105)
Max. of DC resistance	0.0288
Avg. of DC resistance	0.024 ± 20%
Self resonance frequency (min.)	70MHz
Operating temperature range (Self-temperature rise is included)	-40 ~ 125
Operating temperature range (Self-temperature rise is not included)	-40 ~ 105
Class of magnetic shield	Magnetic shield of magnetic powder in resin

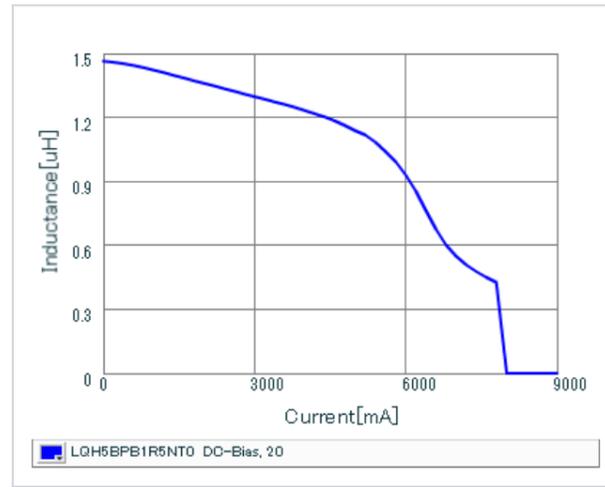
⚠ Attention

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

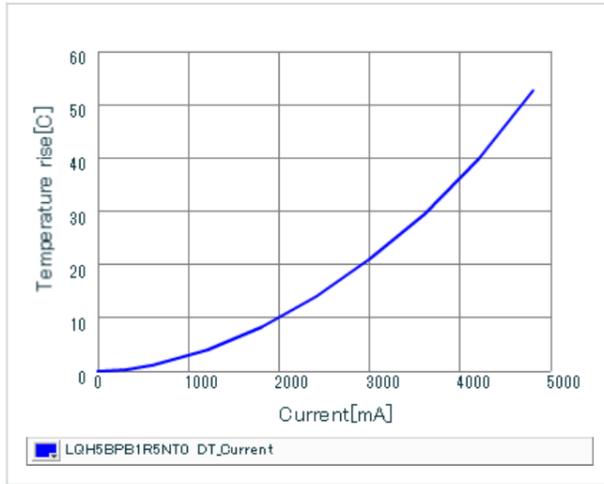
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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