

LQH5BPB1R5NT0#

" # " indicates a package specification code.

In Production

General

105℃

Wound (Shield) 000

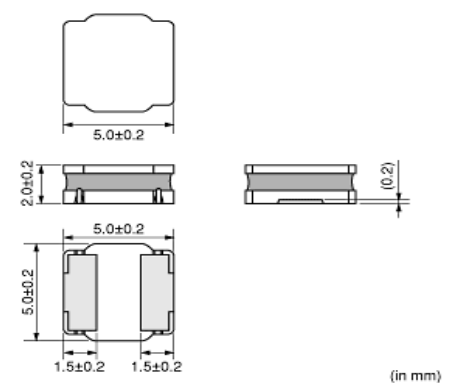
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RoHS

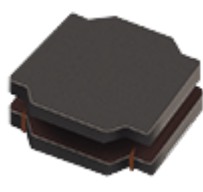
REACH

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

Shape



(in mm)



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

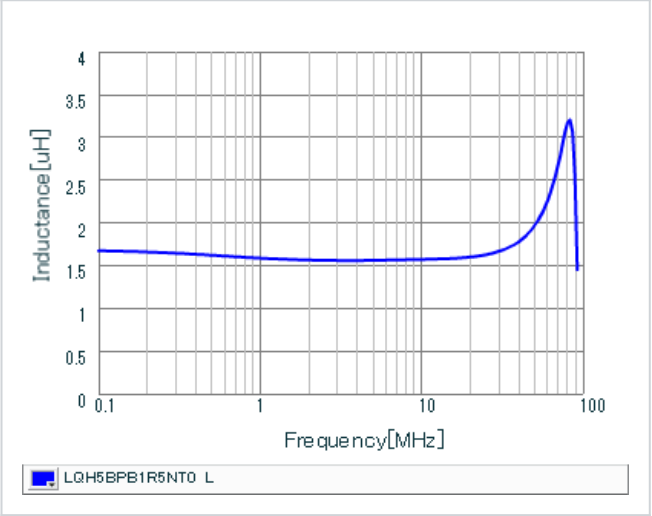
Specifications

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

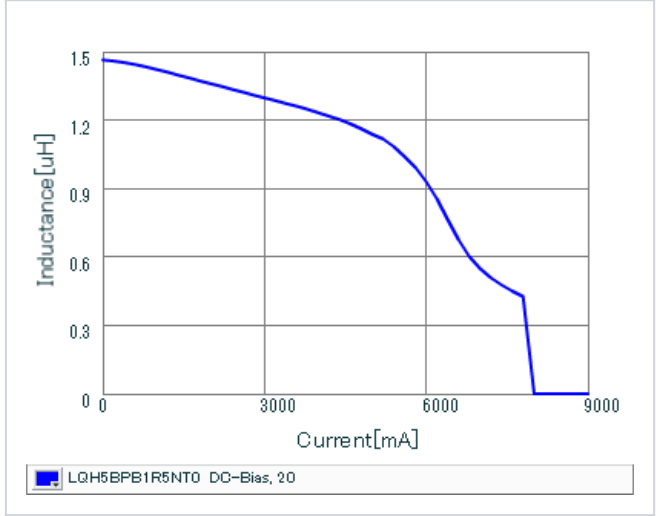
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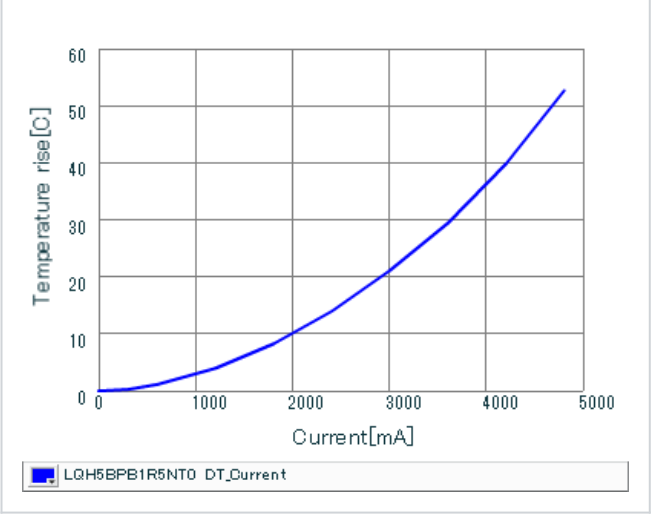
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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