

LQH5BPN3R3NT0#

" # " indicates a package specification code.

Recommended

General

Wound
(Shield)
000

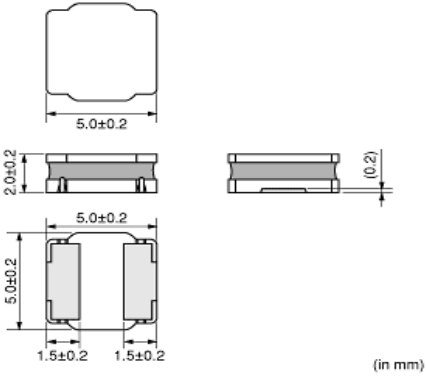
Thickness
2.2mm
max.

Reflow
OK

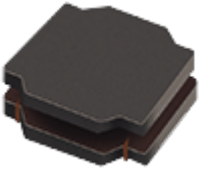
RoHS

< List of part numbers with package codes >
LQH5BPN3R3NT0L , LQH5BPN3R3NT0K

Shape



(in mm)



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

References

Packaging code	Specifications	Minimum quantity
L	Embossed tape (φ 180mm)	500
K	Embossed tape (φ 330mm)	3000

Mass (Typ.)	
1 piece	0.22g

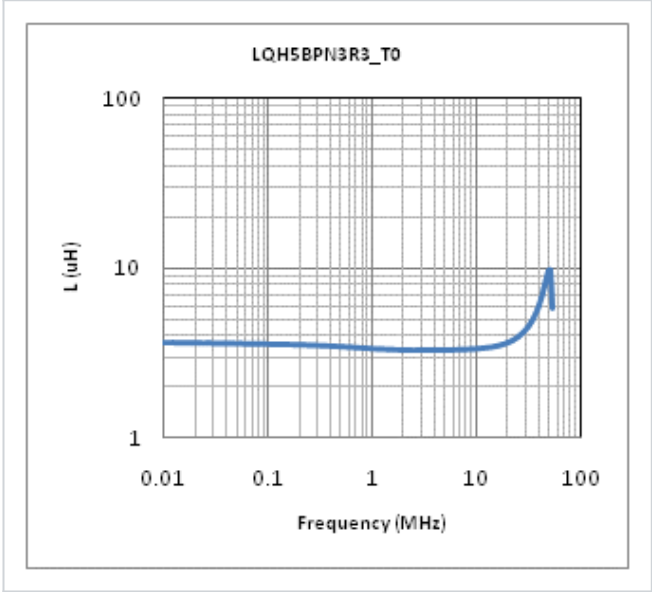
Specifications

Inductance	3.3μH ± 30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	3.5A
Rated current (Itemp) (Based on Temperature rise)	2.3A
Max. of DC resistance	0.0528Ω
Avg. of DC resistance	0.044Ω ± 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

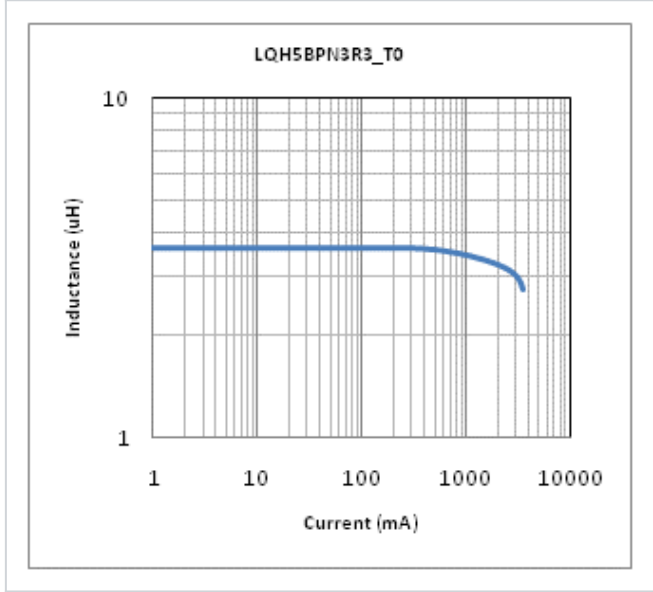
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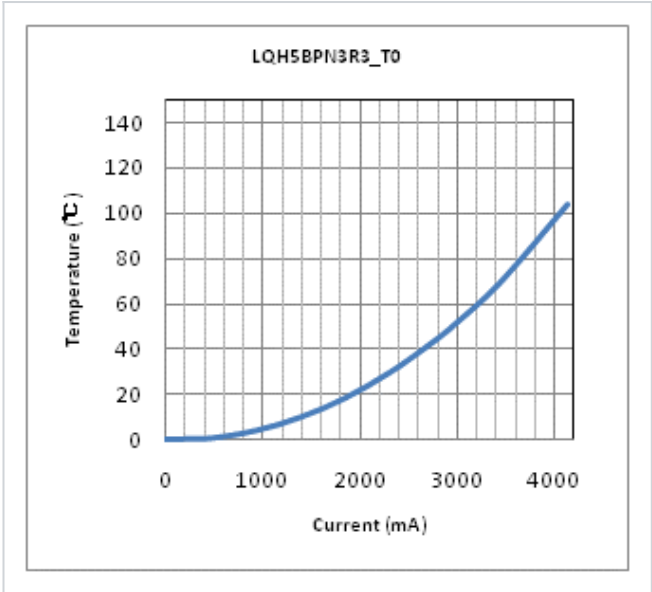
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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