

LQH5BPN6R8NT0#

“ # ” indicates a package specification code.

Recommended

General

Wound
(Shield)
000

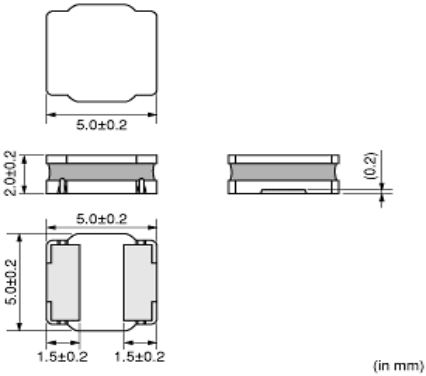
Thickness
2.2mm
max.

Reflow
OK

RoHS

< List of part numbers with package codes >
LQH5BPN6R8NT0L , LQH5BPN6R8NT0K

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 (180mm)	500
K	Embossed tape (330mm)	3000

Mass (Typ.)	
1 piece	0.22g

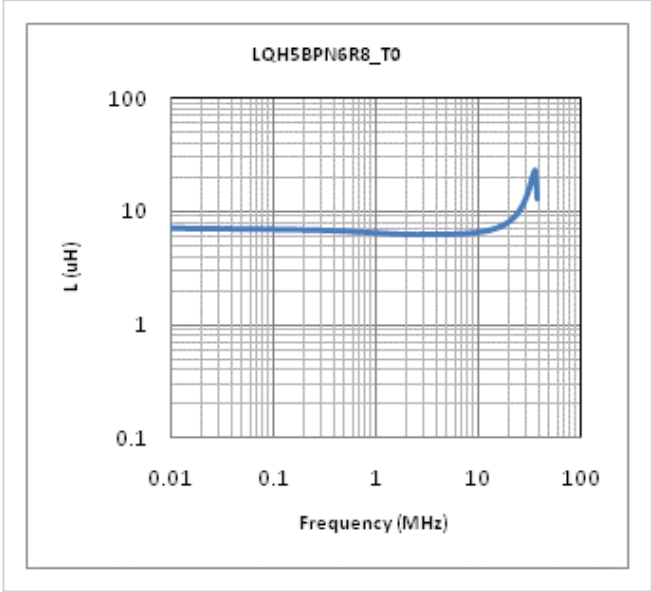
Specifications

Inductance	6.8μH ± 30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	2.5A
Rated current (Itemp) (Based on Temperature rise)	1.65A
Max. of DC resistance	0.0996
Avg. of DC resistance	0.083 ± 20%
Self resonance frequency (min.)	30MHz
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

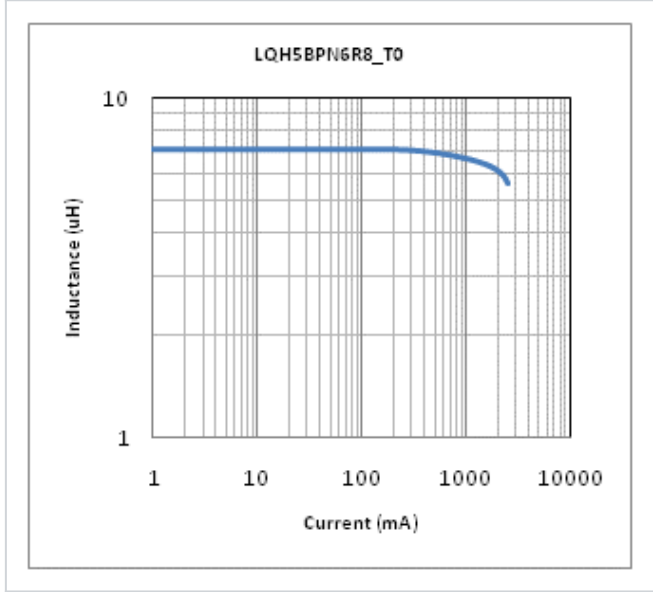
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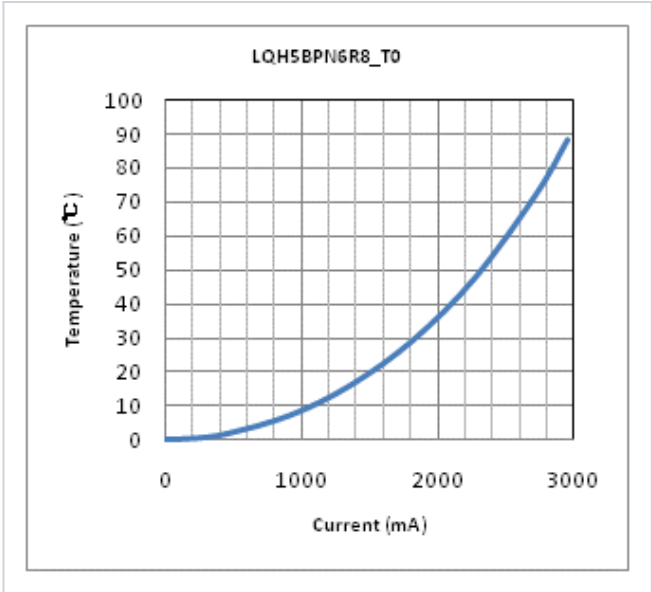
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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