

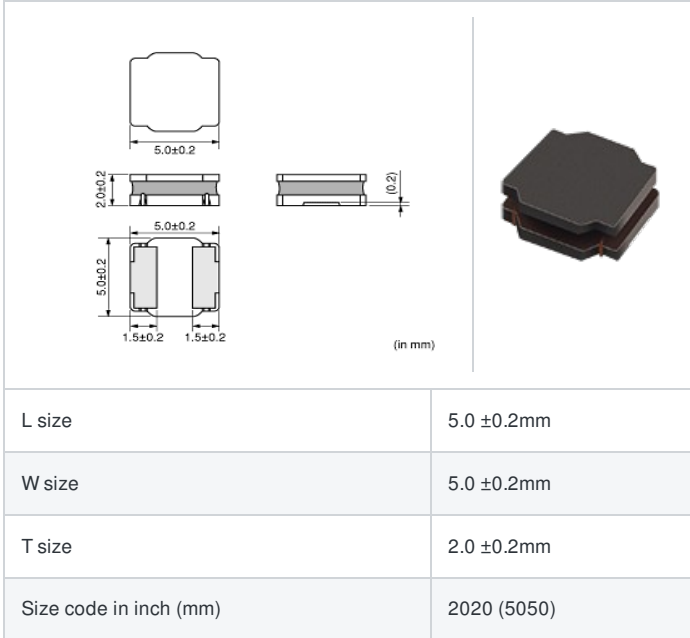
# LQH5BPN3R3NT0#

"#" indicates a package specification code.



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

## Shape



## Notes

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

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	500
K	φ330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

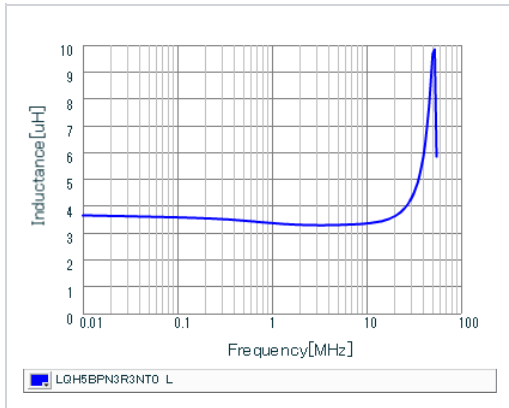
## Specifications

Inductance	3.3μH ±30%
Inductance test frequency	100kHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	3.5A
Rated current (I <sub>temp</sub> ) (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°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin

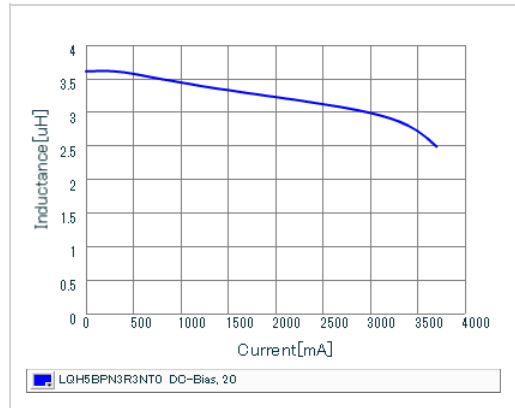
## Attention

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- 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.

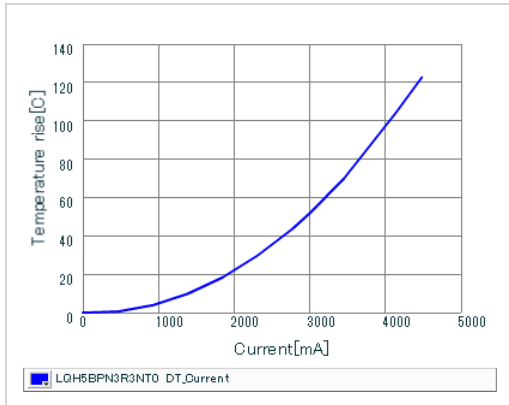
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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