

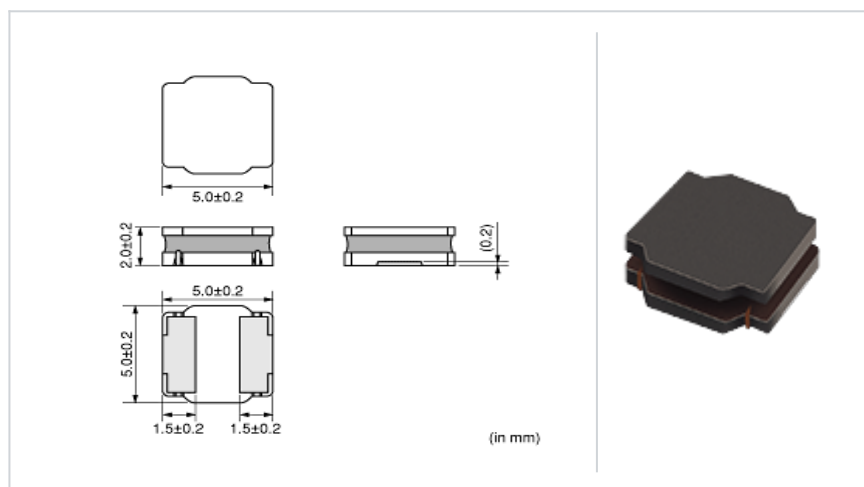
# LQH5BPZ1R2NT0#

" # " indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPZ1R2NT0L , LQH5BPZ1R2NT0K

## 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

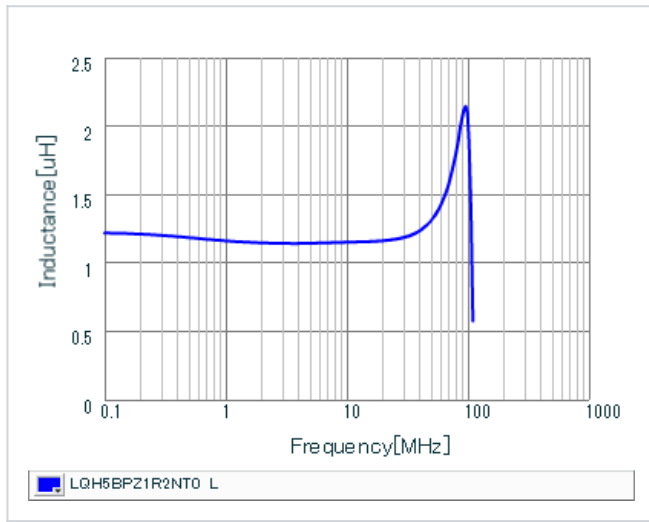
## Specifications

Inductance	1.2μH ± 30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5.4A
Rated current (Itemp) (Based on Temperature rise)	3.1A(Ambient temperature 85 ) 1.68A(Ambient temperature 105 )
Max. of DC resistance	0.0228
Avg. of DC resistance	0.019 ± 20%
Self resonance frequency (min.)	90MHz
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

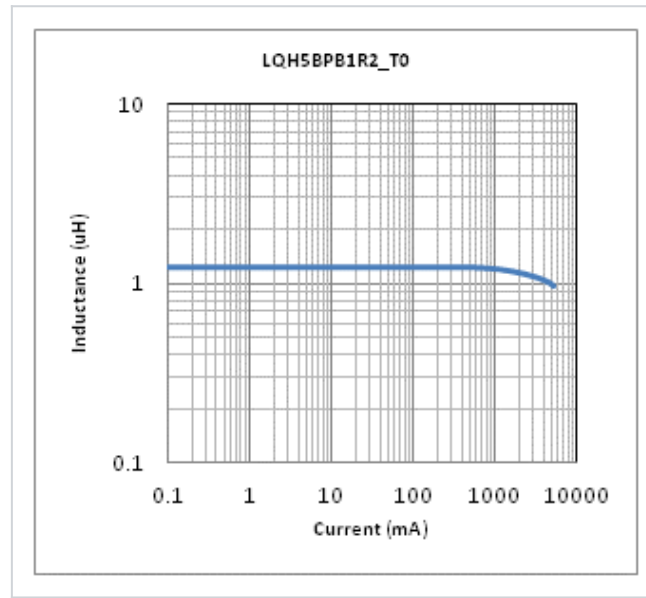
### ⚠ Attention

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- 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.

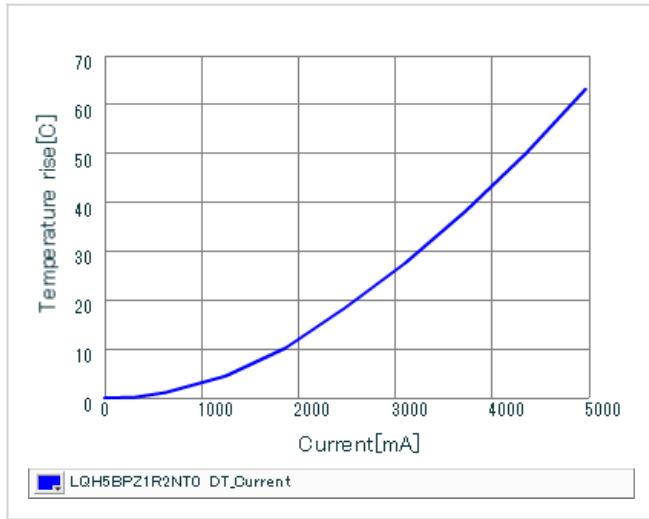
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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