

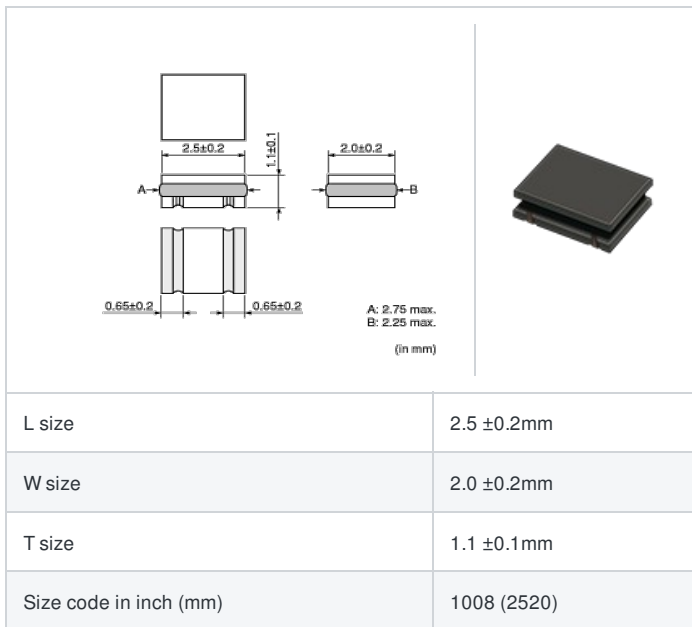
# LQH2HPN3R3MJR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPN3R3MJRL

## Shape



## Notes

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of initial inductance value range.  
Keep the temperature (ambient temperature plus self-generation of heat) under 125 °C.  
When rated current is applied to the products, the self-temperature rise shall be limited to 40 °C max. (ambient temperature 85 °C).  
When rated current is applied to the products, the self-temperature rise shall be limited to 20 °C max. (ambient temperature 85 °C to 105 °C).

## References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	2000

Mass (Typ.)	
1 piece	0.023g

## Specifications

Inductance	3.3μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1450mA
Rated current (Itemp) (Based on Temperature rise)	1420mA(Ambient temp.85°C) 850mA(Ambient temp.105°C)
Max. of DC resistance	0.156Ω
Avg. of DC resistance	0.13Ω $\pm 20\%$
Self resonance frequency (min.)	45MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH2HPN_JR

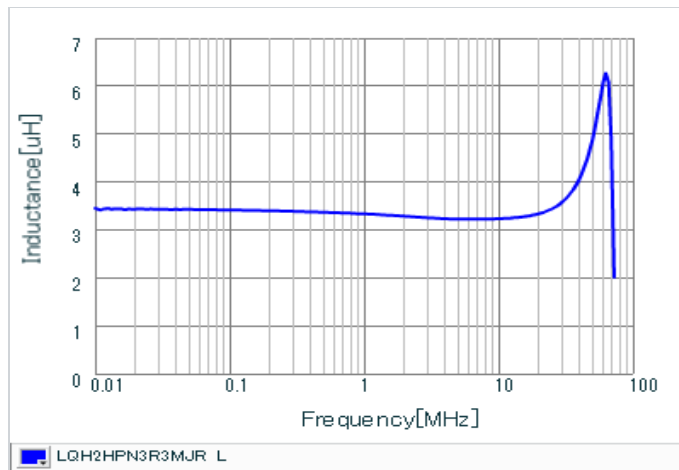
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### Attention

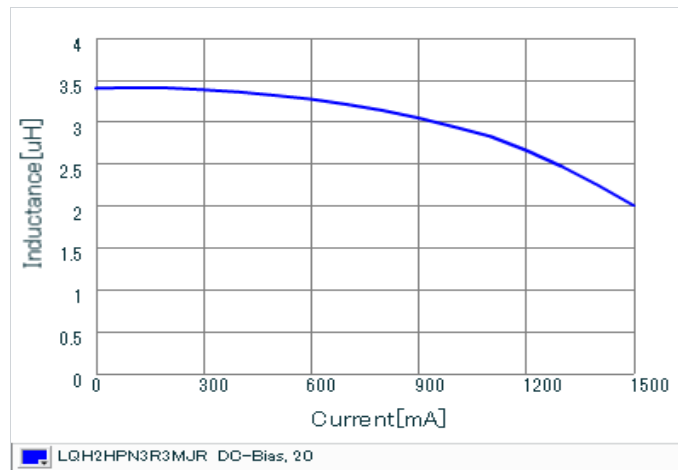
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  - 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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# Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

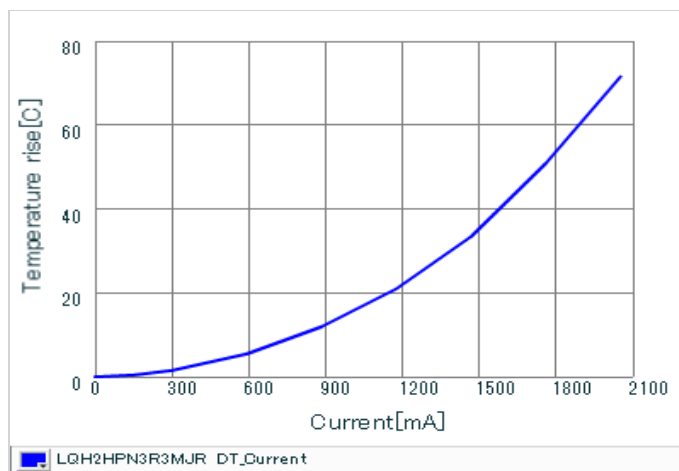
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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