

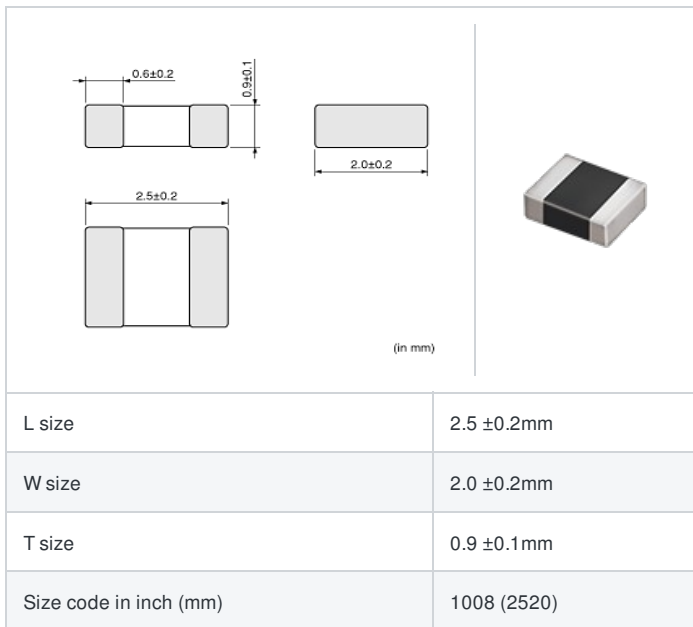
# LQM2HPNR68MGH#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQM2HPNR68MGHL , LQM2HPNR68MGHB

## Shape



## Notes

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of initial inductance value range.  
When rated current is applied to the products, the temperature rise caused by self-generated heat 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	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.022g

## Specifications

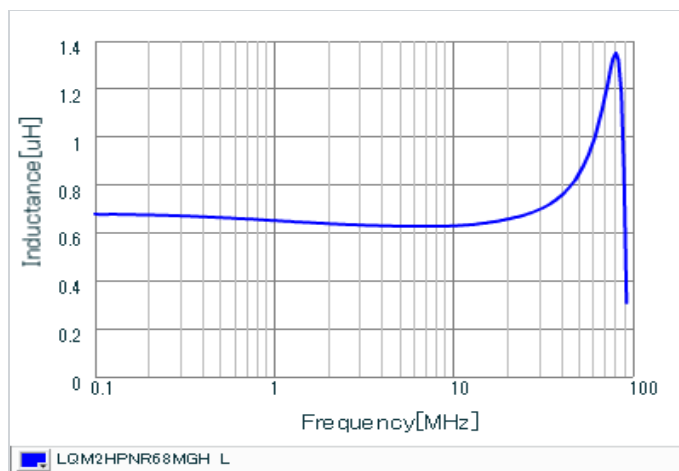
Inductance	0.68μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	3.8A(Max) / 4.0A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.3A(Max) / 2.9A(Typ.)
Max. of DC resistance	0.063Ω
Avg. of DC resistance	0.05Ω (typ.)
Self resonance frequency (min.)	60MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM2HPN_GH

### Attention

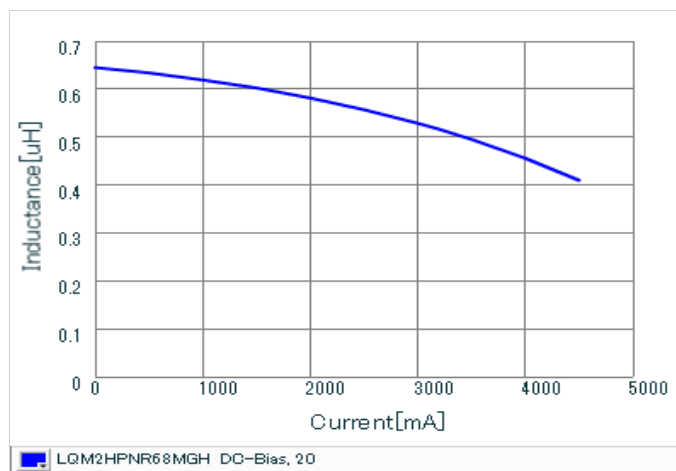
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

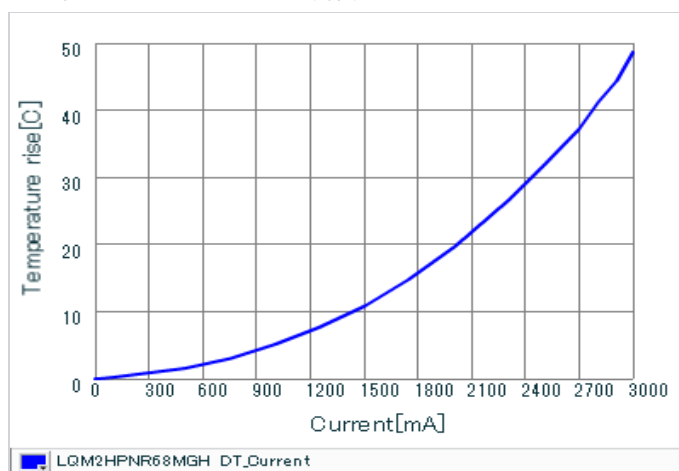
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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