

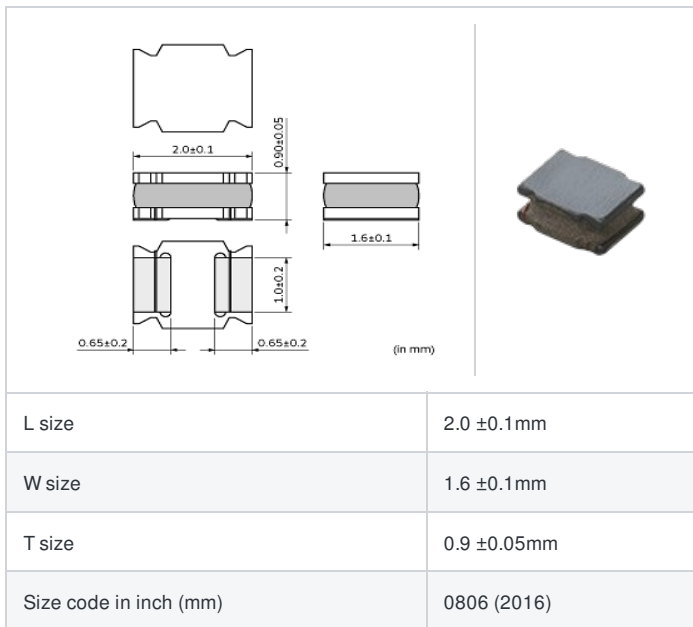
# LQH2MPN4R7MGR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH2MPN4R7MGRL

## 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  $125^\circ\text{C}$ .  
When rated current is applied to the products, the self-temperature rise shall be limited to  $40^\circ\text{C}$  max. (ambient temperature  $85^\circ\text{C}$ ).  
When rated current is applied to the products, the self-temperature rise shall be limited to  $20^\circ\text{C}$  max. (ambient temperature  $85^\circ\text{C}$  to  $105^\circ\text{C}$ ).

## References

Packaging code	Specifications	Minimum quantity
L	$\phi 180$ mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.010g

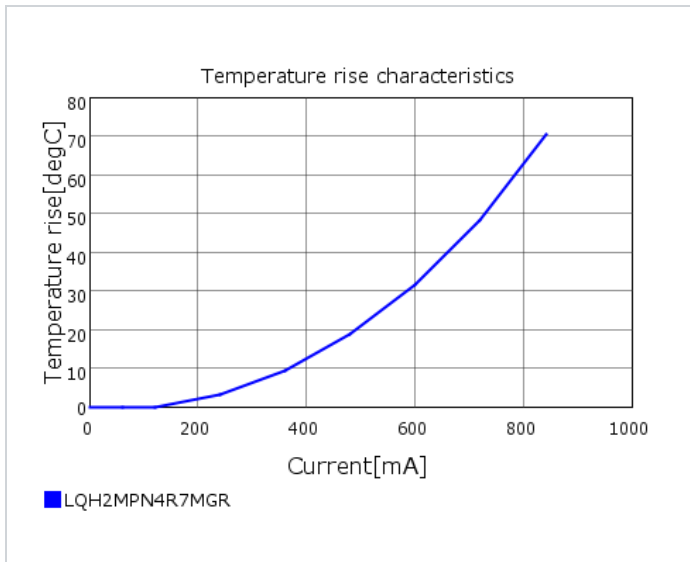
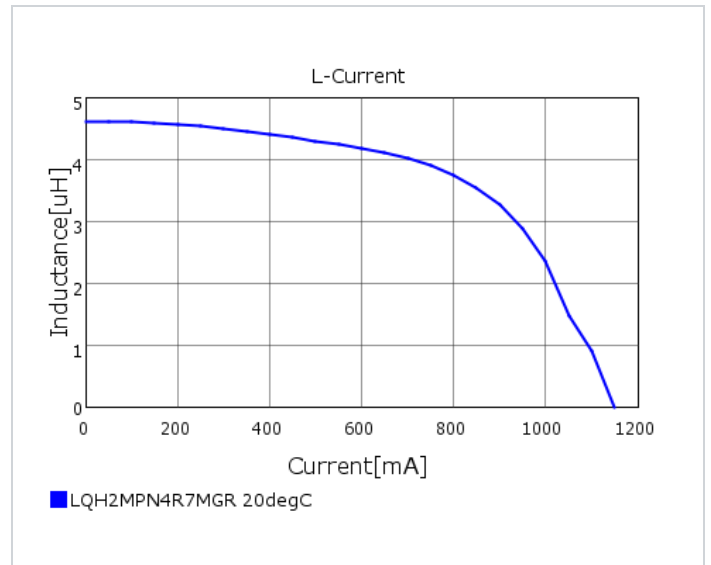
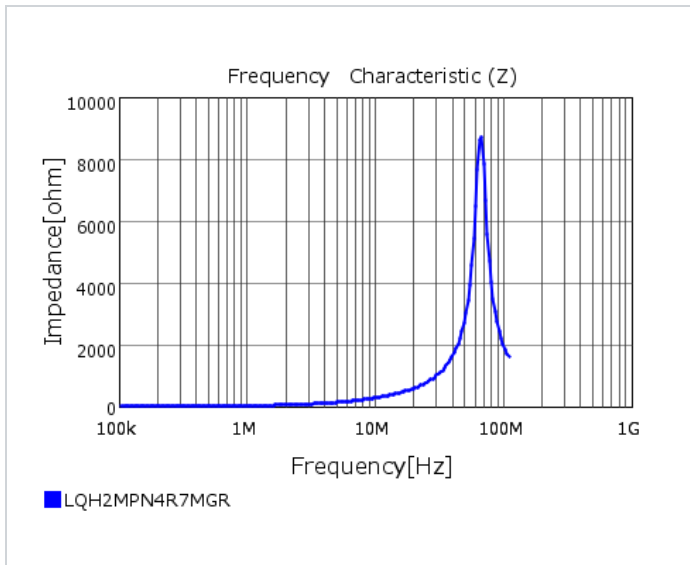
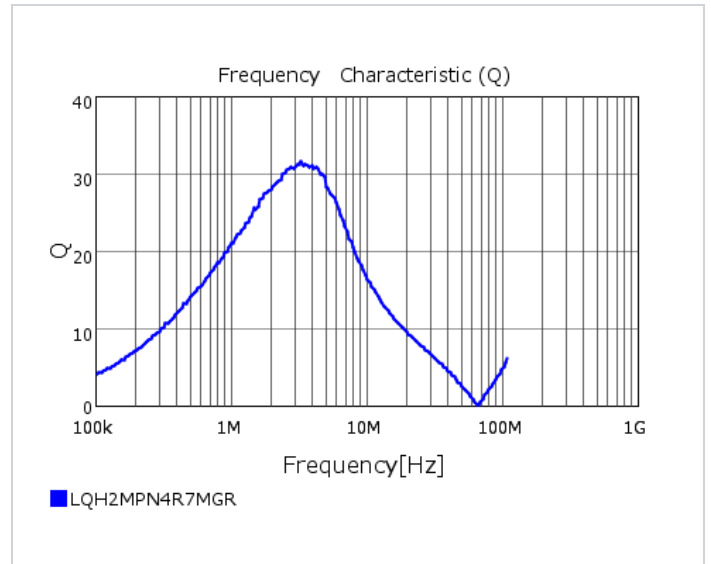
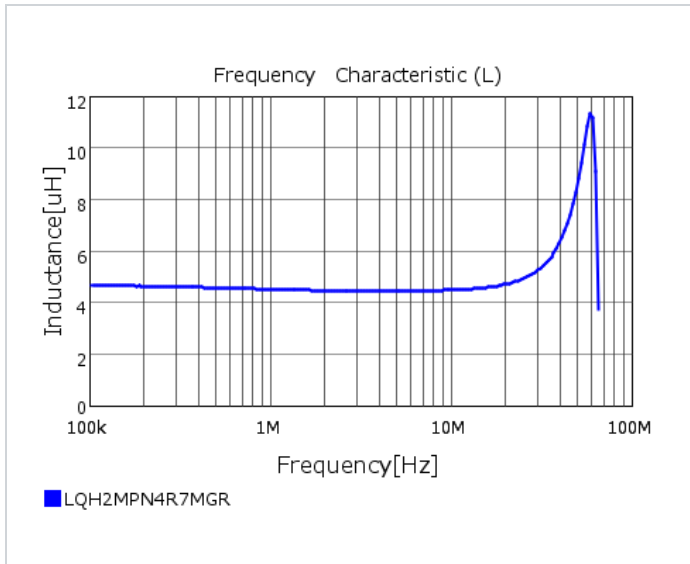
## Specifications

Inductance	$4.7\mu\text{H} \pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	870mA
Rated current (Itemp) (Based on Temperature rise)	580mA(Ambient temp. $85^\circ\text{C}$ ) 340mA(Ambient temp. $105^\circ\text{C}$ )
Max. of DC resistance	$0.72\Omega$
Avg. of DC resistance	$0.60\Omega \pm 20\%$
Self resonance frequency (min.)	40MHz
Operating temperature range (Self-temperature rise is included)	$-40^\circ\text{C}$ to $125^\circ\text{C}$
Operating temperature range (Self-temperature rise is not included)	$-40^\circ\text{C}$ to $105^\circ\text{C}$
Class of magnetic shield	Ferrite Core
Series	LQH2MPN_GR

1 of 2

### Attention

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