

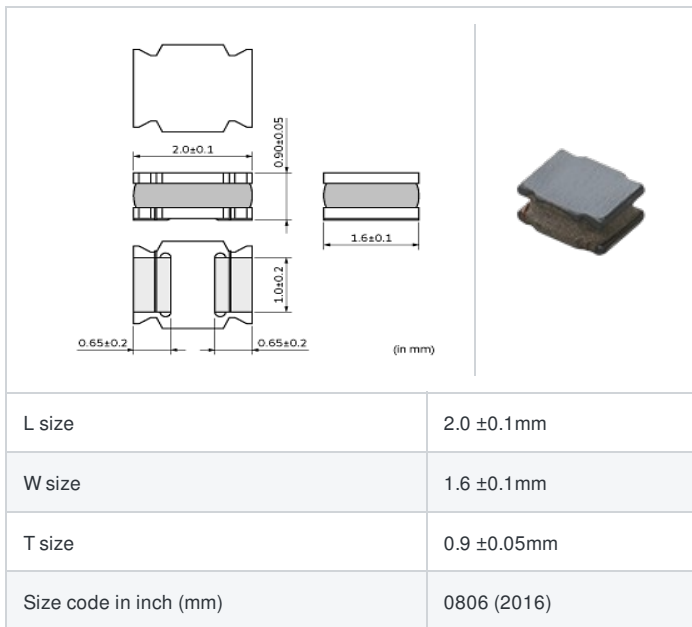
# LQH2MPN2R2MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH2MPN2R2MGRL

## 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 |

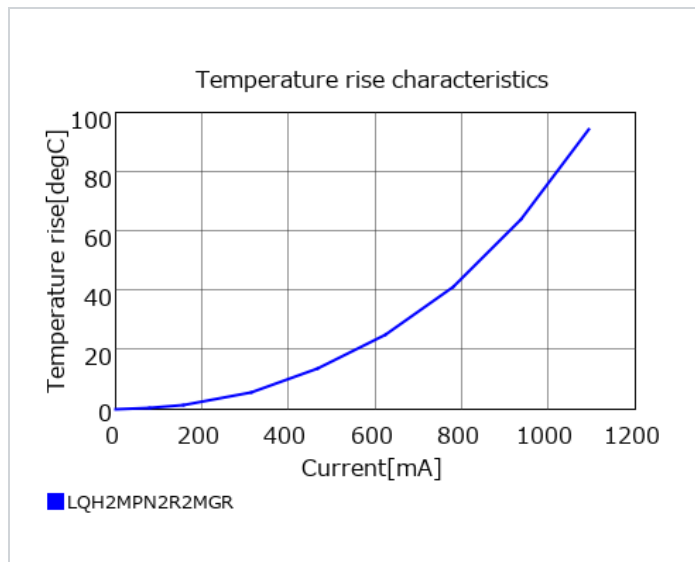
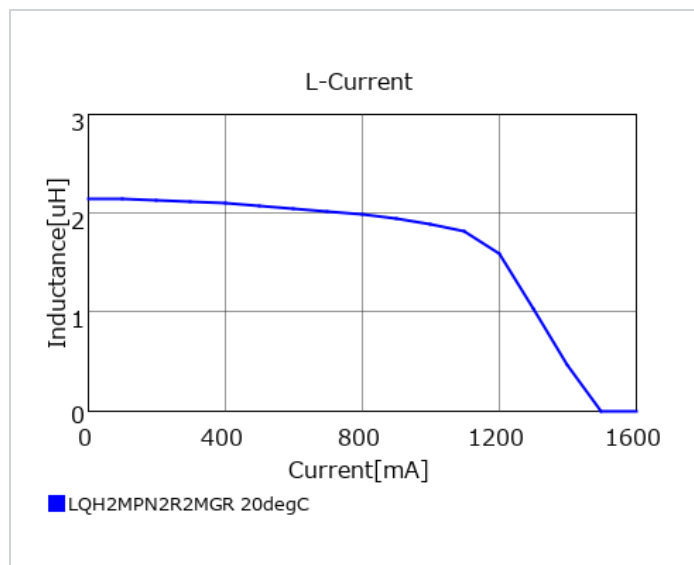
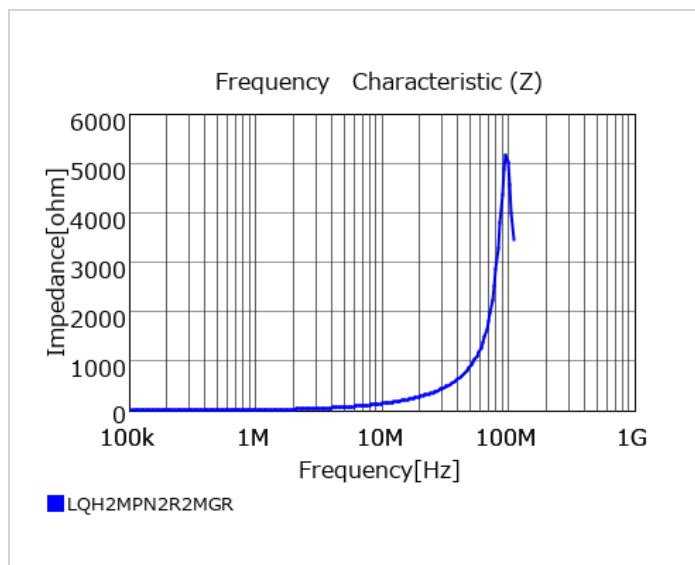
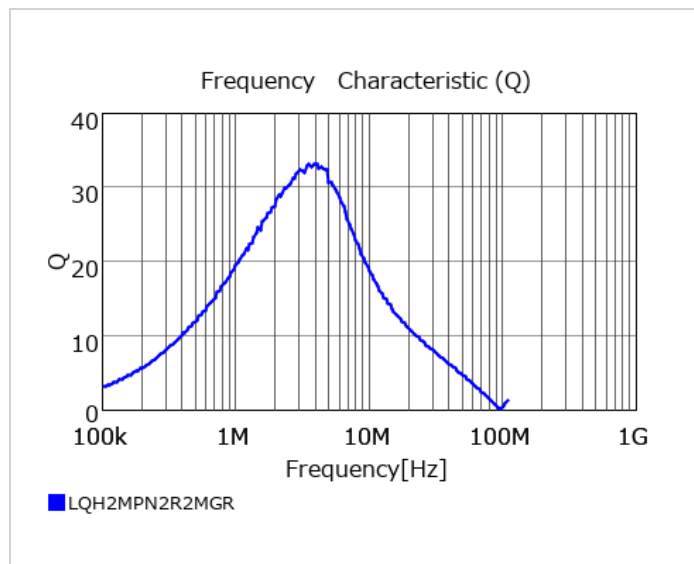
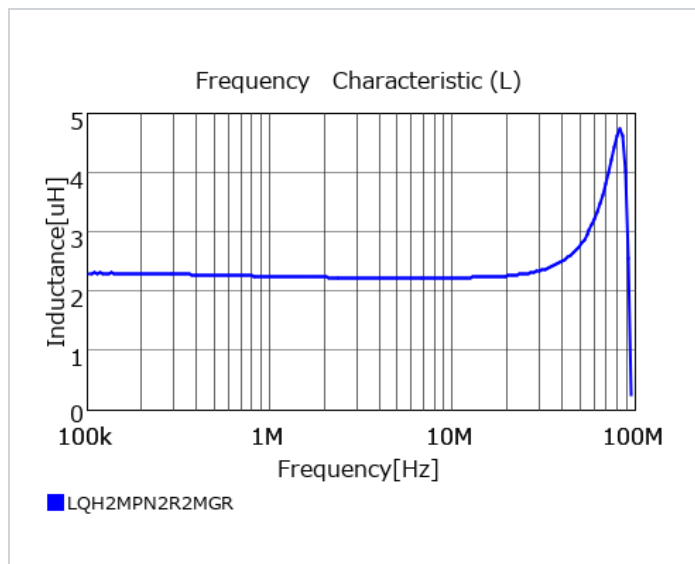
## Specifications

|                                                                     |                                                                                       |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Inductance                                                          | $2.2\mu\text{H} \pm 20\%$                                                             |
| Inductance test frequency                                           | 1MHz                                                                                  |
| Rated current (Isat) (Based on Inductance change)                   | 1180mA                                                                                |
| Rated current (Itemp) (Based on Temperature rise)                   | 680mA(Ambient temp. $85^\circ\text{C}$ )<br>400mA(Ambient temp. $105^\circ\text{C}$ ) |
| Max. of DC resistance                                               | $0.468\Omega$                                                                         |
| Avg. of DC resistance                                               | $0.39\Omega \pm 20\%$                                                                 |
| Self resonance frequency (min.)                                     | 50MHz                                                                                 |
| 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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