

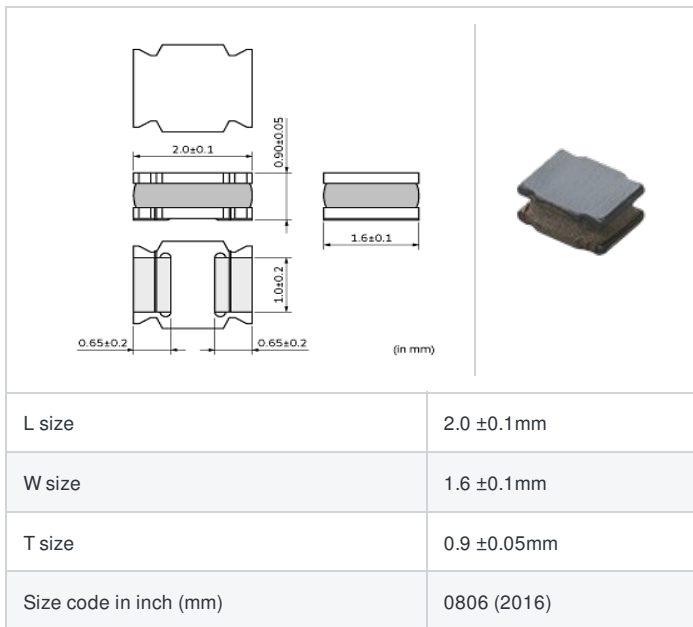
# LQH2MPN820MGR#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH2MPN820MGRL

## Shape



## Notes

When rated current is applied to the products, inductance will be within ±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 | 3000             |

| Mass (Typ.) |        |
|-------------|--------|
| 1 piece     | 0.010g |

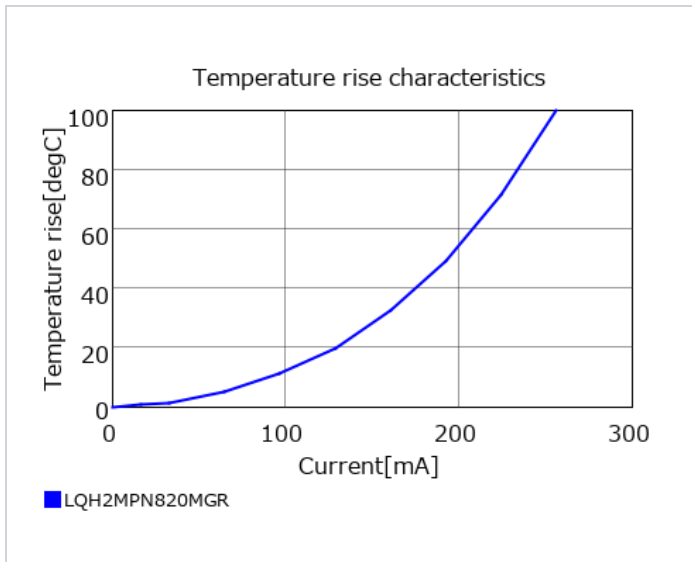
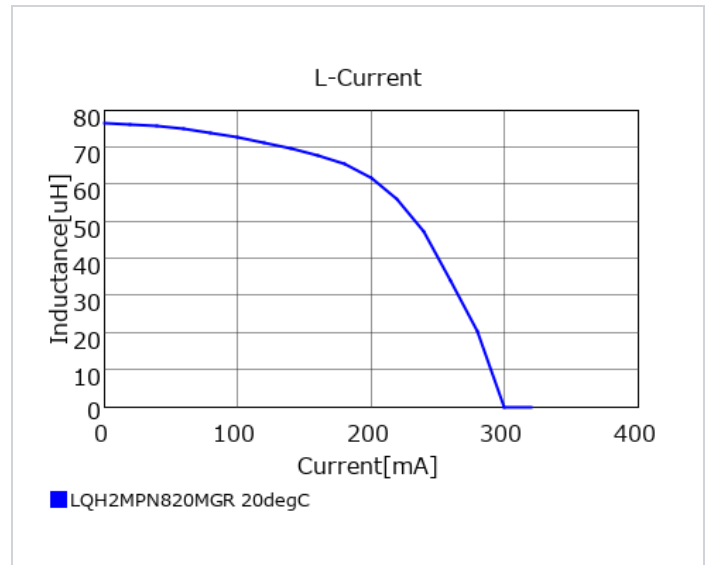
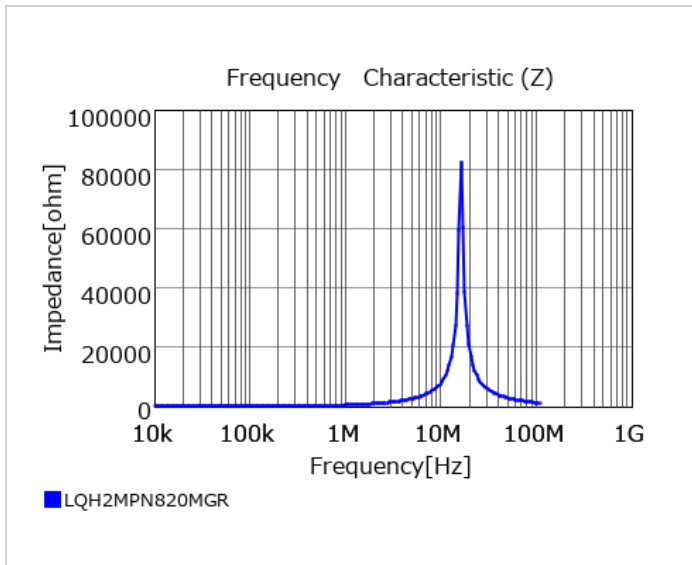
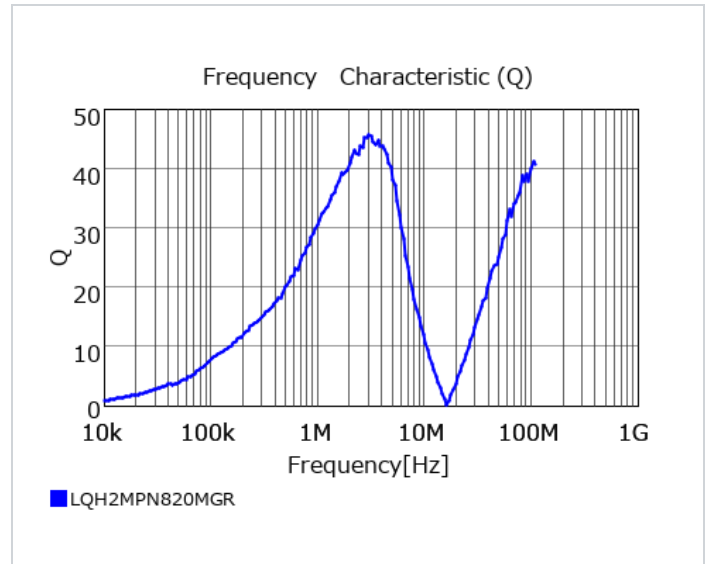
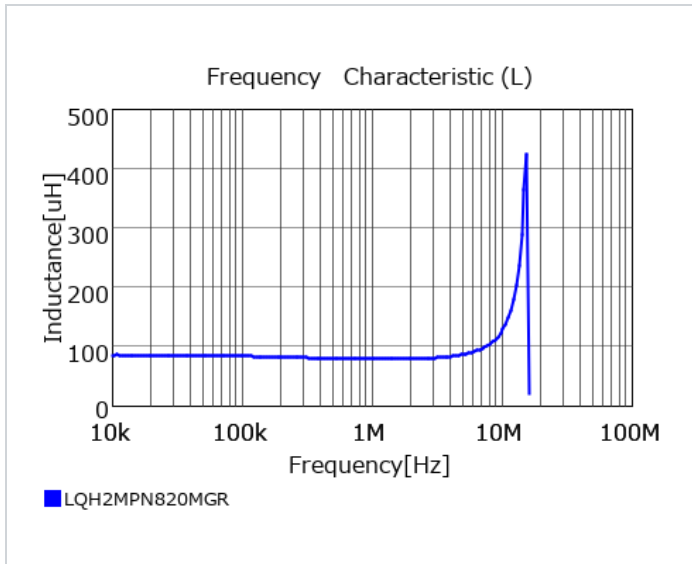
## Specifications

|                                                                     |                                                      |
|---------------------------------------------------------------------|------------------------------------------------------|
| Inductance                                                          | 82μH ±20%                                            |
| Inductance test frequency                                           | 1MHz                                                 |
| Rated current (Isat) (Based on Inductance change)                   | 210mA                                                |
| Rated current (Itemp) (Based on Temperature rise)                   | 150mA(Ambient temp.85°C)<br>90mA(Ambient temp.105°C) |
| Max. of DC resistance                                               | 8.76Ω                                                |
| Avg. of DC resistance                                               | 7.3Ω ±20%                                            |
| Self resonance frequency (min.)                                     | 5MHz                                                 |
| 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                                            | Ferrite Core                                         |
| Series                                                              | LQH2MPN_GR                                           |

1 of 2

### Attention

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