

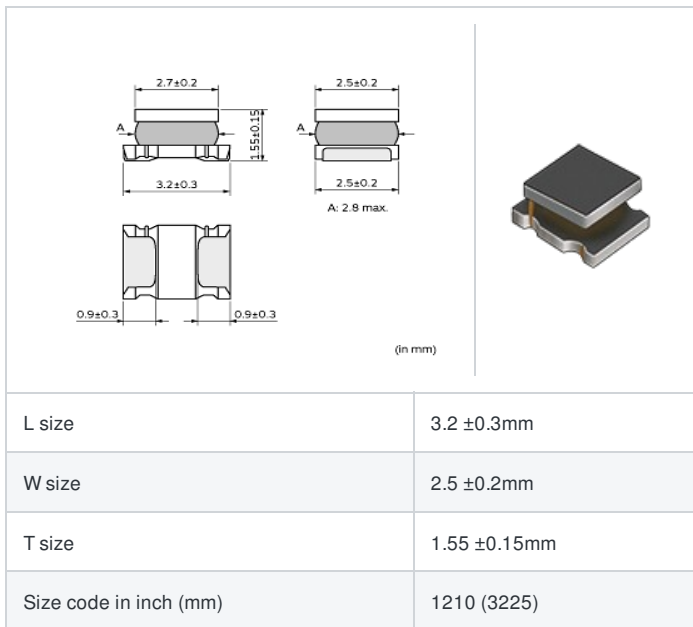
# LQH32PH6R8NN0#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH32PH6R8NN0L , LQH32PH6R8NN0K

## Shape



## Notes

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of nominal inductance value.  
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 | 2000             |
| K              | φ330mm Embossed taping | 7500             |

| Mass (Typ.) |        |
|-------------|--------|
| 1 piece     | 0.044g |

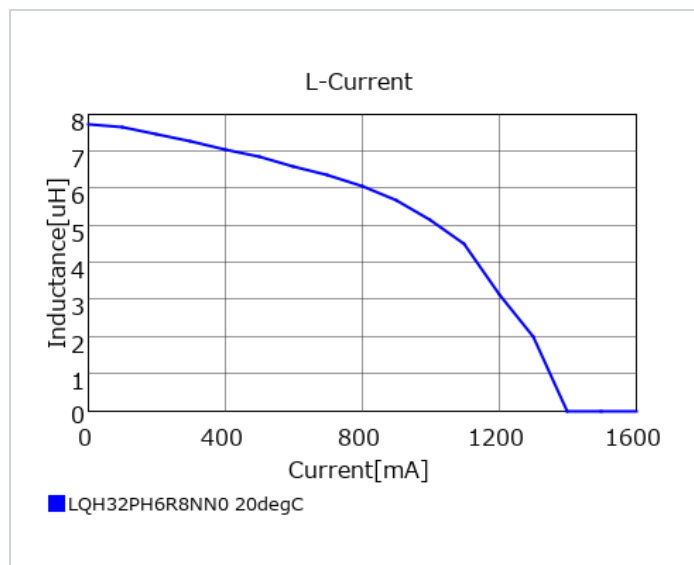
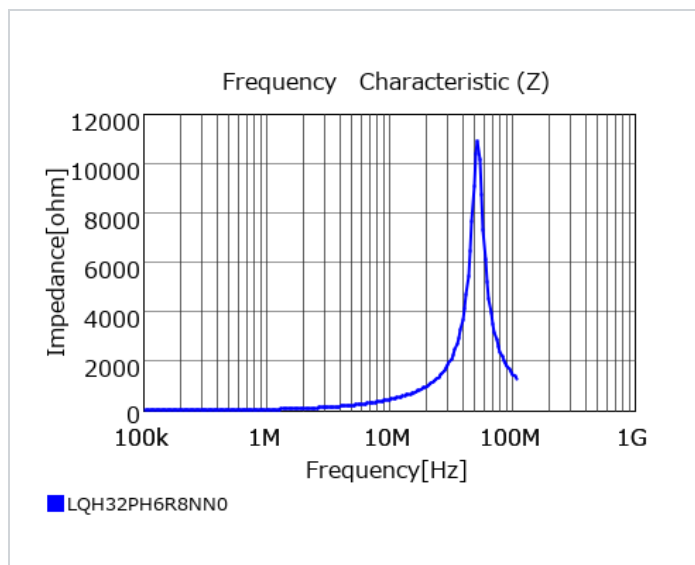
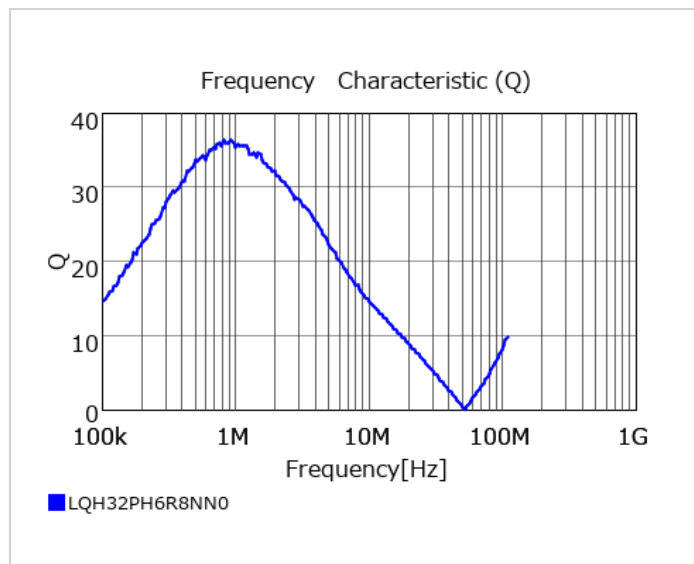
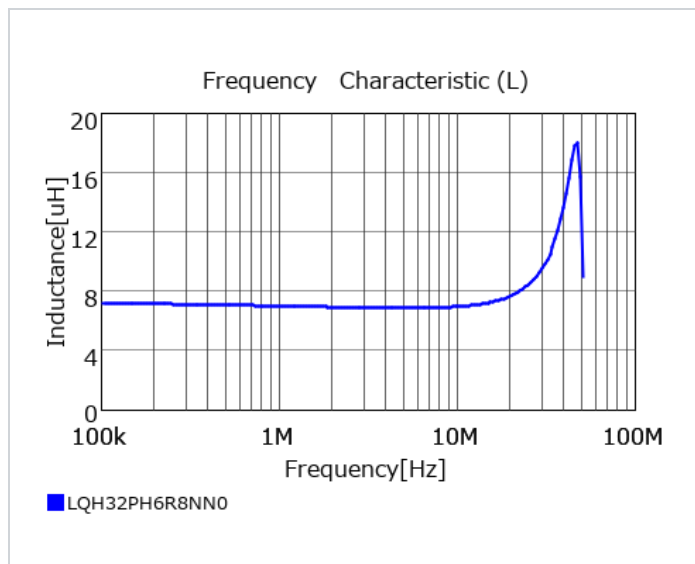
## Specifications

|                                                                     |                                                       |
|---------------------------------------------------------------------|-------------------------------------------------------|
| Inductance                                                          | 6.8μH $\pm 30\%$                                      |
| Inductance test frequency                                           | 1MHz                                                  |
| Rated current (I <sub>sat</sub> ) (Based on Inductance change)      | 850mA                                                 |
| Rated current (I <sub>temp</sub> ) (Based on Temperature rise)      | 850mA(Ambient temp.85°C)<br>510mA(Ambient temp.105°C) |
| Max. of DC resistance                                               | 0.288Ω                                                |
| Avg. of DC resistance                                               | 0.24Ω $\pm 20\%$                                      |
| Self resonance frequency (min.)                                     | 40MHz                                                 |
| Operating temperature range (Self-temperature rise is included)     | -40 to 125°C                                          |
| Operating temperature range (Self-temperature rise is not included) | -40 to 105°C                                          |
| Class of magnetic shield                                            | Magnetic Resin                                        |
| Series                                                              | LQH32PH_N0                                            |

1 of 2

### Attention

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