

# muRata Inductor Data Sheet

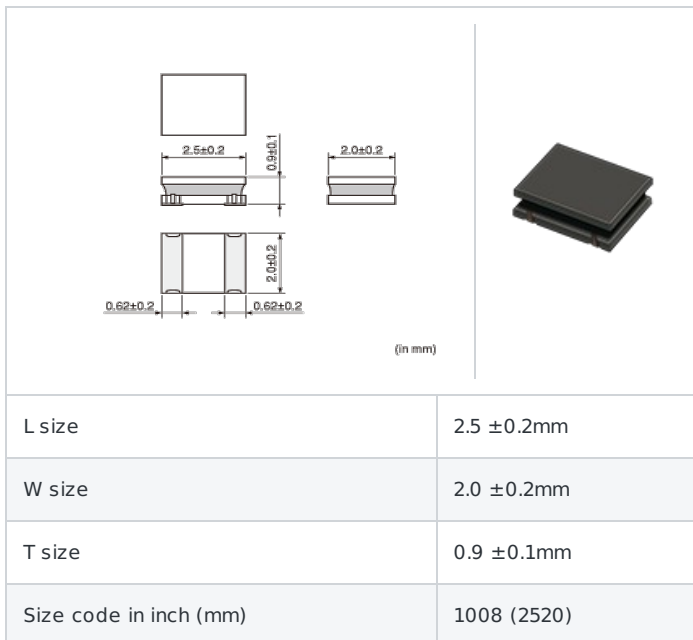
## LQH2HPZR68MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH2HPZR68MGR#

### Shape



### Notes

When applied Rated current to the Products, Inductance will be within  $\pm 30\%$  of initial inductance value range.  
When applied Rated current to the Products, 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              | φ 180mm Embossed taping | 3000             |

| Mass (Typ.) |        |
|-------------|--------|
| 1 piece     | 0.019g |

### Specifications

|   |                   |
|---|-------------------|
| Inductance  | 0.68μH $\pm 20\%$ |
| Inductance test frequency   | 1MHz              |
| Rated current (Isat) (Based on Inductance change)                   | 2430mA            |
| Rated current (Itemp) (Based on Temperature rise)                   | 2330mA            |
| Max. of DC resistance   | 0.066Ω            |
| Avg. of DC resistance   | 0.055Ω $\pm 20\%$ |
| Self resonance frequency (min.)                                     | 110MHz            |
| Operating temperature range (Self-temperature rise is included)     | -40~125°C         |
| Operating temperature range (Self-temperature rise is not included) | -40~105°C         |
| Class of magnetic shield  | Magnetic Resin    |

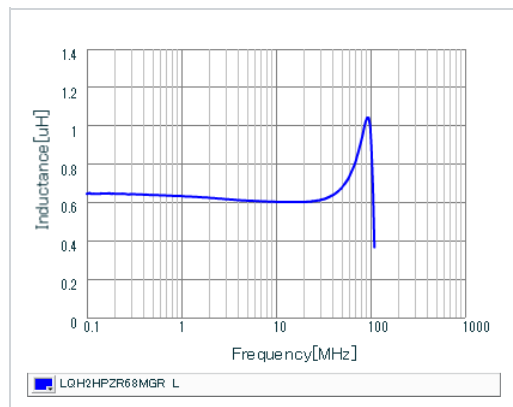
1 of 2

### Attention

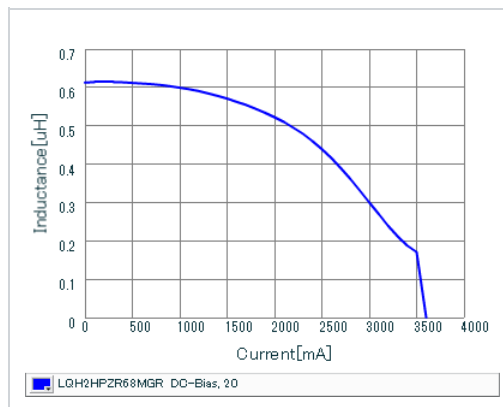
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

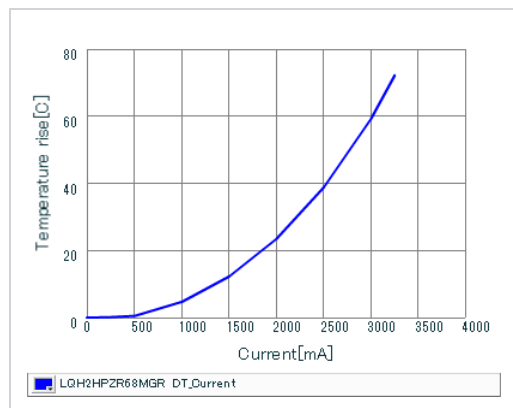
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



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