

# LQH3NPZ2R2MME#

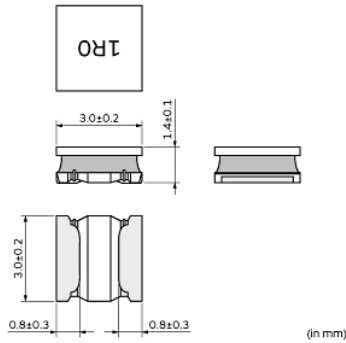
"#" indicates a package specification code.

Size Code 3030 (1212) in mm (in inch), 1.5mm max.Thickness. high performance type.



< List of part numbers with package codes >  
LQH3NPZ2R2MME#

## Appearance & Shape



## Notices

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°C. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max (ambient temperature 85°C to 105°C).

## References

| Packaging | Specifications   | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| L         | 180Embossed Tape | 2000                      |


| Mass (typ.) |        |
|-------------|--------|
| 1 piece     | 0.051g |

### 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.

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## Specifications

|  |  |
|--|--|
| L size   | 3.0±0.2mm  |
| W size   | 3.0±0.2mm  |
| T size   | 1.4±0.1mm  |
| Size code inch (mm)  | 1212 (3030)  |
| Inductance   | 2.2μH±20%  |
| Inductance Test Frequency  | 1MHz   |
| Rated current (Isat) (Based on Inductance change)                  | 1800mA   |
| Rated current (Itemp) (Based on Temperature rise)                  | 2100mA(Ambient temp.85°C)<br>1220mA(Ambient temp. 105°C) |
| Max. of DC resistance  | 0.078Ω   |
| Operating Temperature Range (Self-temperature rise is included)    | -40°C to 125°C   |
| Class of magnetic shield   | Magnetic Resin   |
| Self resonance frequency (min.)                                    | 60MHz  |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 105°C   |
| Brand  | Murata   |
| DC Resistance Intermediate Values                                  | 0.065Ω±20%   |
| Series   | LQH3NPZ_ME   |

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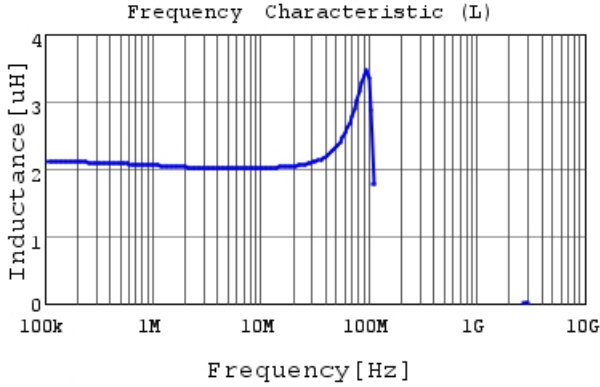
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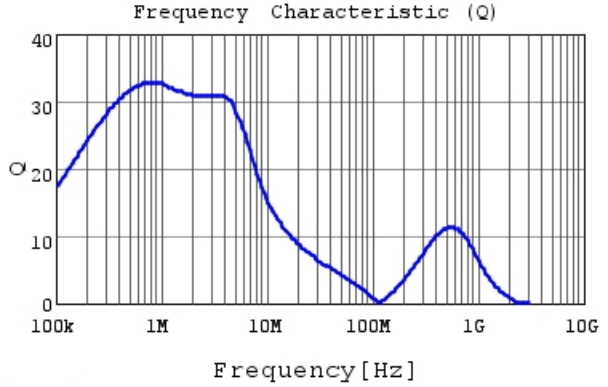


## Characteristic Data

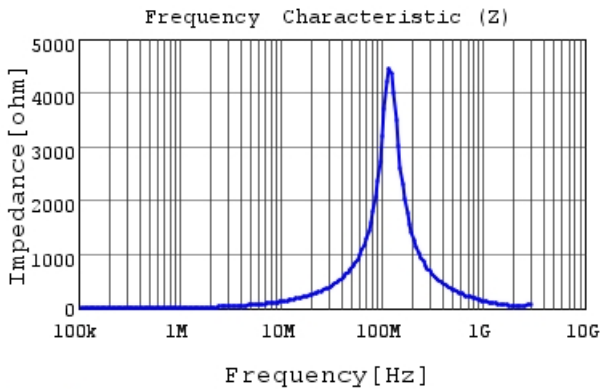
The charts below may show another part number which shares its characteristics.



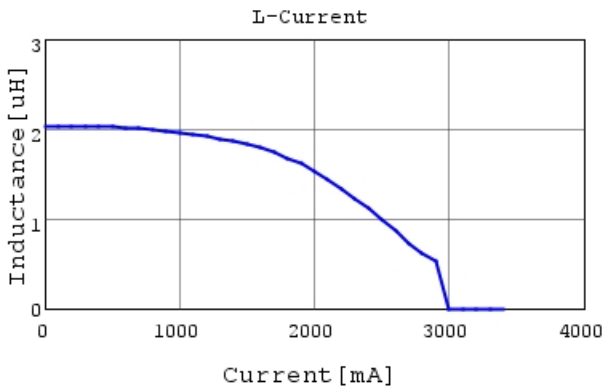
LQH3NPZ2R2MME L



LQH3NPZ2R2MME Q



LQH3NPZ2R2MME |Z|



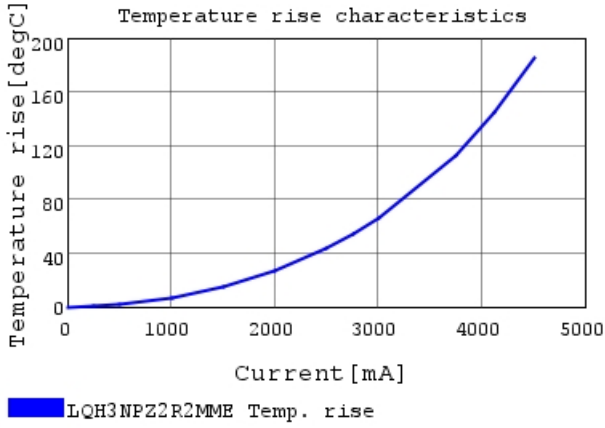
LQH3NPZ2R2MME L-Current 20degC

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