

# LQH3NPN6R8MJ0#

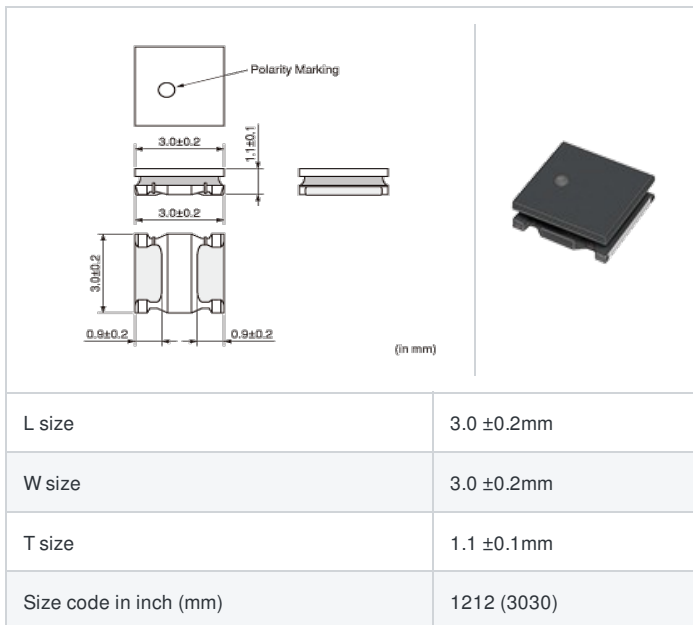
# indicates a package specification code.



Last Time Buy Date: 31 Mar 2018      Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >  
LQH3NPN6R8MJ0L , LQH3NPN6R8MJ0K

## Shape



## Notes

When applied Rated current to the Products, Inductance will be within ±30% of nominal Inductance value.  
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              | φ180mm Embossed taping | 1000             |
| K              | φ330mm Embossed taping | 5000             |

| Mass (Typ.) |        |
|-------------|--------|
| 1 piece     | 0.045g |

## Specifications

|                                                                     |                |
|---------------------------------------------------------------------|----------------|
| Inductance                                                          | 6.8μH ±20%     |
| Inductance test frequency                                           | 1MHz           |
| Rated current (Isat) (Based on Inductance change)                   | 700mA          |
| Rated current (Itemp) (Based on Temperature rise)                   | 850mA          |
| Max. of DC resistance                                               | 0.252Ω         |
| Avg. of DC resistance                                               | 0.210Ω±20%     |
| Self resonance frequency (min.)                                     | 45MHz          |
| Operating temperature range (Self-temperature rise is included)     | -40~125°C      |
| Operating temperature range (Self-temperature rise is not included) | -40~85°C       |
| Class of magnetic shield                                            | Magnetic Resin |
| Series                                                              | LQH3NPN_J0     |

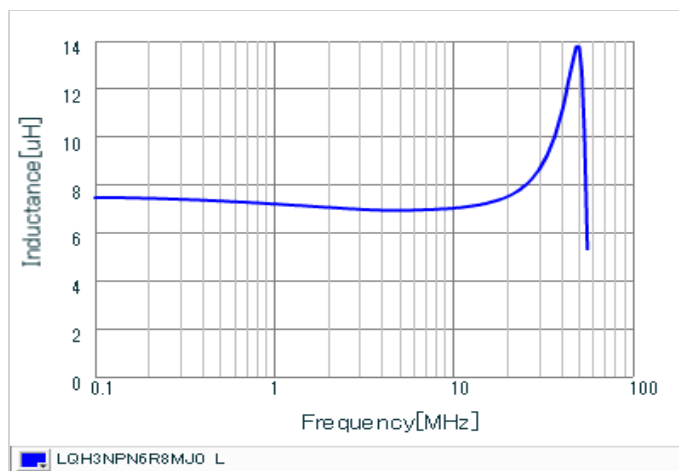
1 of 2

### Attention

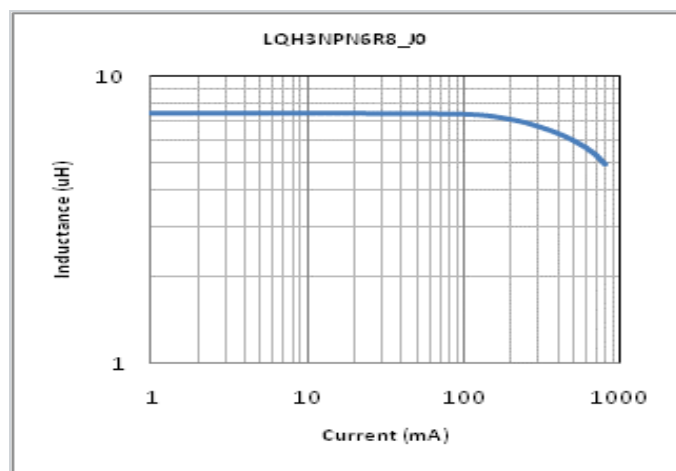
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  - 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

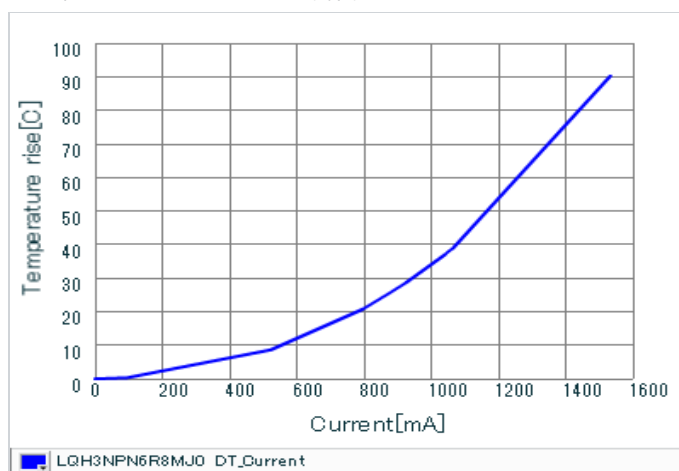
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



**⚠ Attention**

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