Inductor Data Sheet

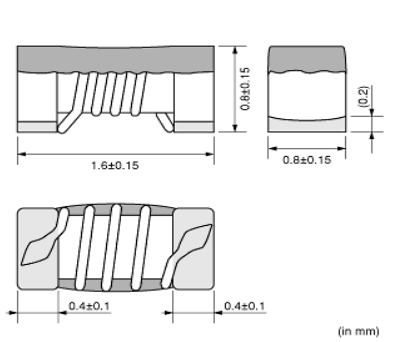
# LQW18CNR39J00#

"#" indicates a package specification code.

In Production | General | 85℃ | Wound (No Shield) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQW18CNR39J00D , LQW18CNR39J00J , LQW18CNR39J00B

## Shape




| | |
|---|---|
| L size | 1.6 ±0.15mm |
| W size | 0.8 ±0.15mm |
| T size | 0.8 ±0.15mm |
| Size code in inch (mm) | 0603 (1608) |

## References

| Packaging code | Specifications | Minimum quantity |
|---|---|---|
| D | φ180mm Paper taping | 4000 |
| J | φ330mm Paper taping | 10000 |
| B | Packing in bulk | 500 |

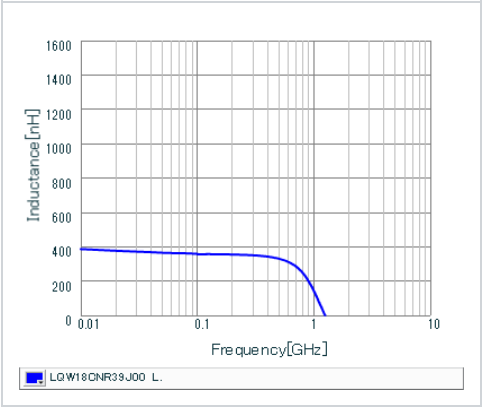
| Mass (Typ.) | |
|---|---|
| 1 piece | 0.004g |

## Specifications

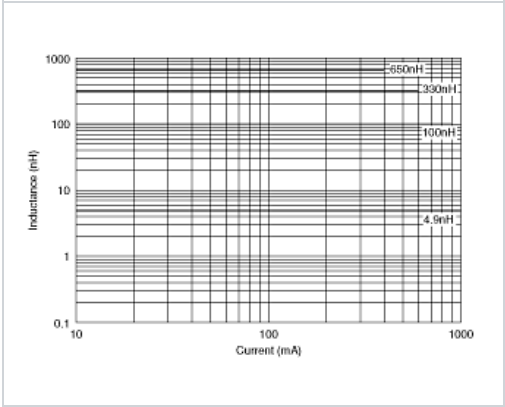
| | |
|---|---|
| Inductance | 390nH ±5% |
| Inductance test frequency | 10MHz |
| Rated current (Itemp) (Based on Temperature rise) | 620mA |
| Max. of DC resistance | 0.28Ω |
| Self resonance frequency (min.) | 570MHz |
| Operating temperature range (Self-temperature rise is not included) | -40～85℃ |
| Class of magnetic shield | No magnetic shield |

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

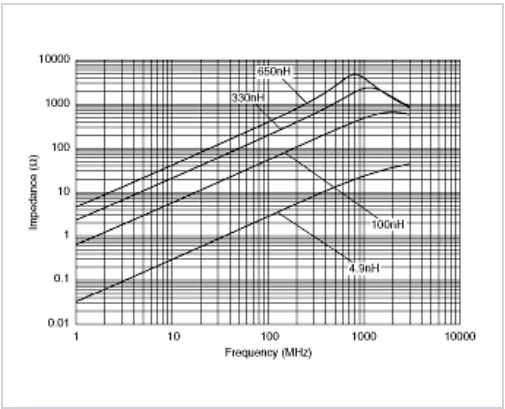
### Inductance-Frequency characteristics (Typ.)




### Inductance-Current characteristics (Typ.)




### Impedance-Frequency characteristics (Typ.)




### Q-Frequency characteristics (Typ.)