

# muRata Inductor Data Sheet

## LQP15MN10NG02#

"#" indicates a package specification code.



< List of part numbers with package codes >  
 LQP15MN10NG02D , LQP15MN10NG02J , LQP15MN10NG02B

### Shape

|                        |             |
|------------------------|-------------|
| L size                 | 1.0 ±0.1mm  |
| W size                 | 0.5 ±0.1mm  |
| T size                 | 0.35 ±0.1mm |
| Size code in inch (mm) | 0402 (1005) |

### References

| Packaging code | Specifications       | Minimum quantity |
|----------------|----------------------|------------------|
| D              | φ 180mm Paper taping | 10000            |
| J              | φ 330mm Paper taping | 50000            |
| B              | Packing in bulk      | 500              |

| Mass (Typ.) |         |
|-------------|---------|
| 1 piece     | 0.0006g |

### Specifications

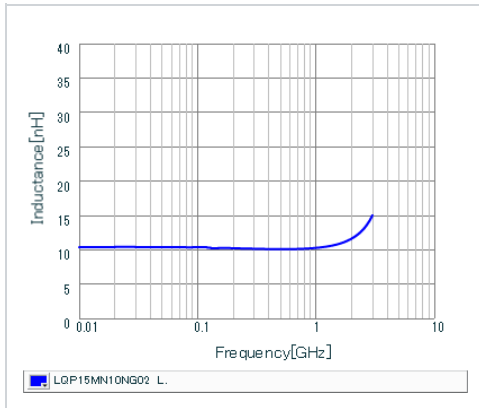
|   |          |
|---|----------|
| Inductance  | 10nH ±2% |
| Inductance test frequency   | 500MHz   |
| Rated current (Itemp) (Based on Temperature rise)                   | 100mA    |
| Max. of DC resistance   | 1.3Ω     |
| Q (min.)  | 13       |
| Q test frequency  | 500MHz   |
| Self resonance frequency (min.)                                     | 4500MHz  |
| Operating temperature range (Self-temperature rise is not included) | -40~85°C |

### Attention

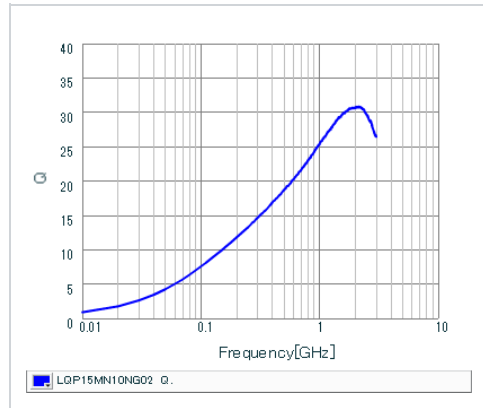
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



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