# Inductor Data Sheet

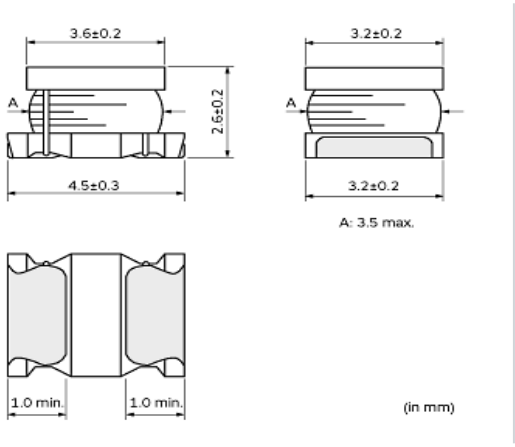
# LQH43NZ102K03#

“ # ” indicates a package specification code.

New | In Production | Info-tainment | AEC-Q200 | 105℃ | Wound (No Shield) | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQH43NZ102K03L , LQH43NZ102K03K

## Shape




| | |
|---|---|
| L size | 4.5 ±0.3mm |
| W size | 3.2 ±0.2mm |
| T size | 2.6 ±0.2mm |
| Size code in inch (mm) | 1812 (4532) |

## Specifications

| | |
|---|---|
| Inductance | 1000μH ±10% |
| Inductance test frequency | 1kHz |
| Rated current (Itemp) (Based on Temperature rise) | 50mA |
| Max. of DC resistance | 25.0Ω |
| Q (min.) | 40 |
| Q test frequency | 252kHz |
| Self resonance frequency (min.) | 2.0MHz |
| Operating temperature range | -40～105℃ |
| Class of magnetic shield | No magnetic shield |

## Notes

When applied Rated current to the Products, self temperature rise shall be limited to 20℃ max and Inductance will be within ±10% of initial Inductance value.

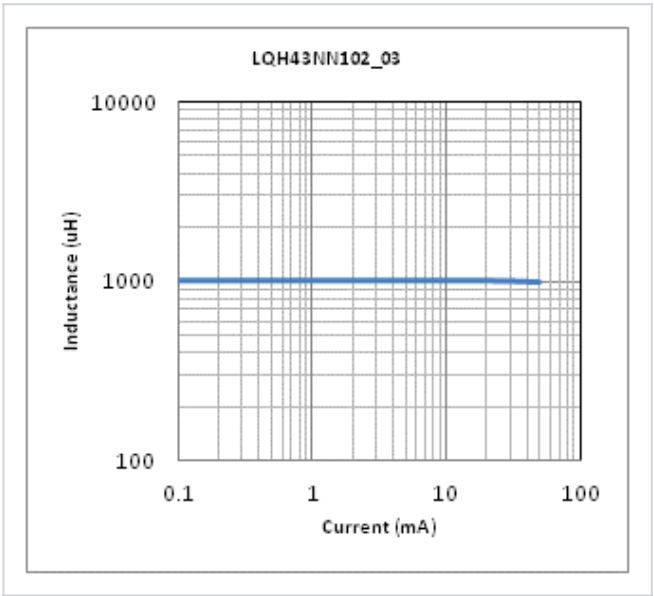
## References

| Packaging code | Specifications | Minimum quantity |
|---|---|---|
| L | φ180mm Embossed taping | 500 |
| K | φ330mm Embossed taping | 2500 |

| Mass (Typ.) | |
|---|---|
| 1 piece | 0.13g |

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

- Inductance-Current characteristics (Typ.)




- Q-Frequency characteristics (Typ.)