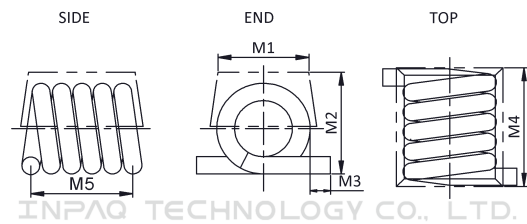
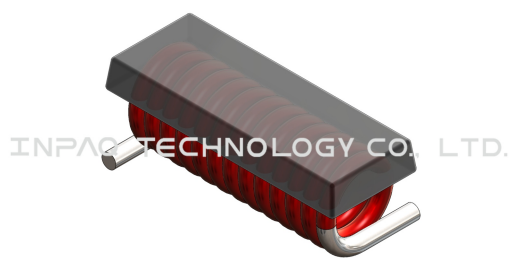


# LIA291B22N\_



## Appearance & Shape



| Series  | M1        | M2        | M3        | M4        | M5        |
|---------|-----------|-----------|-----------|-----------|-----------|
| LIA291B | 3.05 MAX. | 3.18 MAX. | 0.58±0.38 | 6.86 MAX. | 5.84±0.25 |

Unit:mm

注意 NOTICE: All Specifications are subject to change without notice.

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2. 本文件僅說明參考標準規格，如需訂購，請依實際核准所需規格進行申辦。

## Specification

|                                                                    |                                |
|--------------------------------------------------------------------|--------------------------------|
| L size(mm)                                                         | 6.86(Max)                      |
| W size(mm)                                                         | 3.05(Max)                      |
| T size(mm)                                                         | 3.18(Max)                      |
| Inductance(nH)                                                     | 22                             |
| Tolerance                                                          | G( $\pm 2\%$ ), J( $\pm 5\%$ ) |
| Test Frequency(MHz)                                                | 150                            |
| DCR(m $\Omega$ ) Max.                                              | 5.2                            |
| I <sub>rms</sub> (A) Max.                                          | 4                              |
| Q Value (Min.)                                                     | 112                            |
| SRF[MHz]Min.                                                       | 2100                           |
| Operating Temperature range (including self-temperature rising) °C | -40~+125                       |

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## Notices

- 1.1. Inductance values from 17.5 nH to 43.0 nH (tolerances as low as 2%).
- 1.2. Tight tolerance can eliminate circuit tuning.
- 1.3. Flat top for mechanical stability and reliable pick and place operations.
- 1.4. Exceptionally high Q over a wide frequency range.
- 1.5. Highest possible self resonance (greater than 2.2 GHz).
- 1.6. Solder coated leads ensure reliable soldering.
- 1.7. High reliability tests comply with AEC-Q200.

## Packing

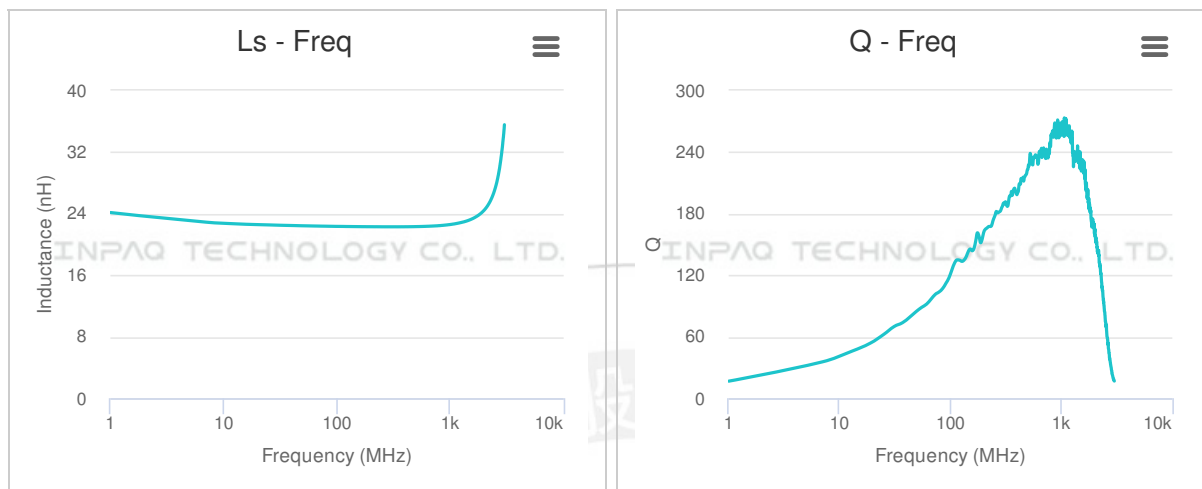
| Packing Reel(Inch) | Carrier Tape | Standard package quantity(KPCS) | Piece weight(gram) | MSL Level |
|--------------------|--------------|---------------------------------|--------------------|-----------|
| 7                  | Plastic type | 0.5                             | 0.056              | 1         |

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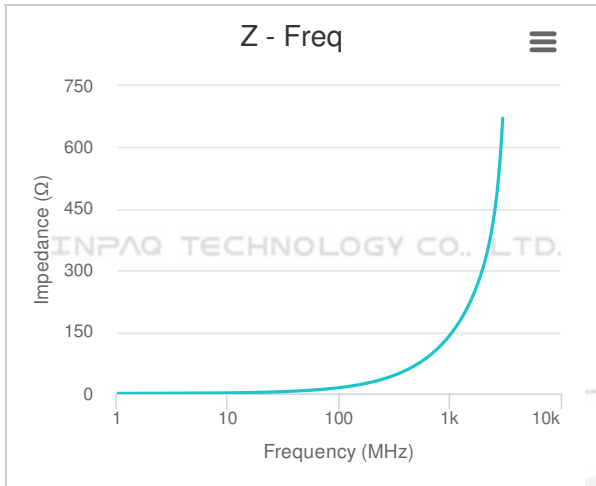
## Characteristic curve



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