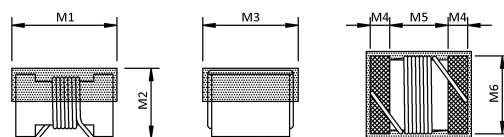
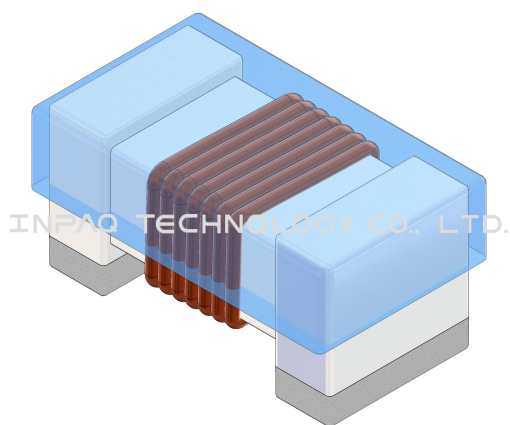


# WCA1005CP56N\_



## Appearance & Shape



INPAQ TECHNOLOGY CO., LTD.

| Series    | M1        | M2        | M3        | M4       | M5       | M6       |
|-----------|-----------|-----------|-----------|----------|----------|----------|
| WCA1005CP | 1.19 MAX. | 0.66 MAX. | 0.64 MAX. | 0.23±0.1 | 0.56±0.1 | 0.50±0.1 |

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)                                                        | 1.19(Max)                                     |
| W size(mm)                                                        | 0.66(Max)                                     |
| T size(mm)                                                        | 0.64(Max)                                     |
| Size code inch (mm)                                               | 0402/1005                                     |
| Inductance(nH)                                                    | 56                                            |
| Tolerance                                                         | G( $\pm 2\%$ ),J( $\pm 5\%$ ),K( $\pm 10\%$ ) |
| Test Frequency(MHz)                                               | 250                                           |
| DCR( $\Omega$ ) Max.                                              | 0.97                                          |
| I <sub>rms</sub> (mA) Max.                                        | 100                                           |
| Q Value (Min.)                                                    | 22                                            |
| SRF[MHz]Min.                                                      | 1760                                          |
| Operating Temperature range(including self-temperature rising) °C | -40~+125                                      |

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## Notices

- 1.1. Ceramic core wire wound construction.
- 1.2. Component miniaturization is more suitable for SMT layout use.
- 1.3. Inductance values from 1.0 to 120 nH.
- 1.4. The Q value is better than multilayer technology.
- 1.5. High reliability tests comply with AEC-Q200.

## Packing

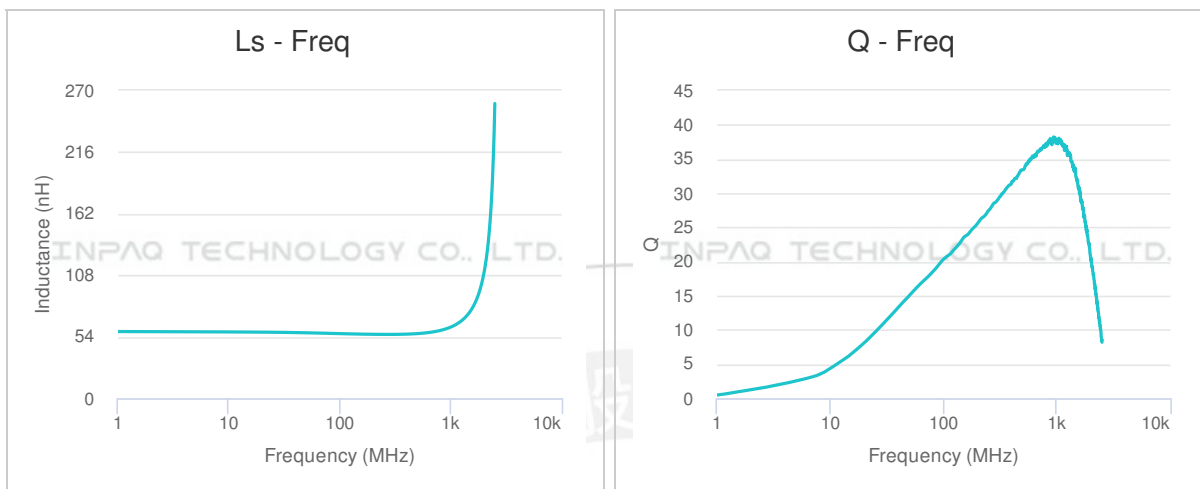
| Packing Reel(Inch) | Carrier Tape | Standard package quantity(KPCS) | Piece weight(gram) | MSL Level |
|--------------------|--------------|---------------------------------|--------------------|-----------|
| 7                  | Paper type   | 4                               | 0.00084            | 1         |

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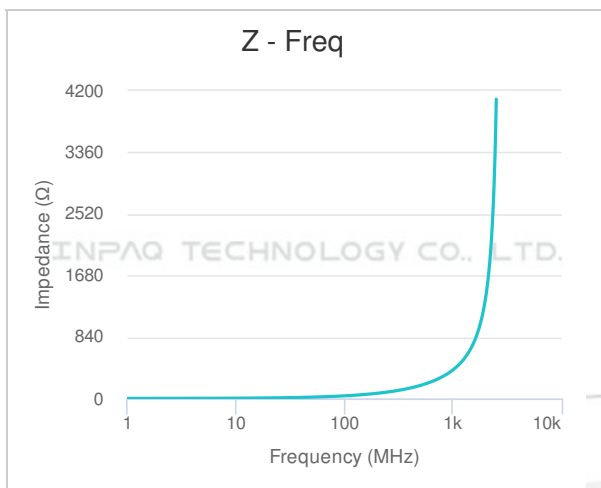
## Characteristic curve



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