

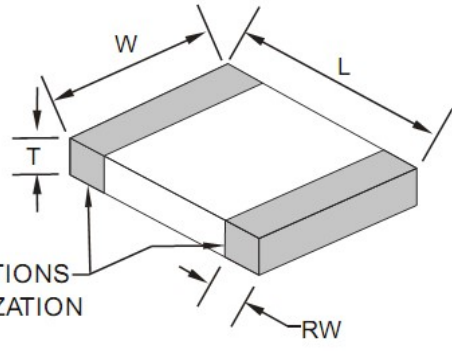


### Technical Specification

#### Features

- Closed magnetic circuit structure allows high density mounting on a PCB board, mounting while preventing crosswalk.
- Extremely high reliability due to entirely monolithic construction.
- Low DC resistance structure of electronic to prevent wasteful electric power consumption.
- High current application rating look at range.

#### Dimensions



| Chip Dimensions |          | Size Code | Size Dimension |
|-----------------|----------|-----------|----------------|
|                 |          | 0402      | 1005           |
| L (mm)          | W (mm)   | T (mm)    | RW (mm)        |
| 1,0±0,15        | 0,5±0,15 | 0,5±0,15  | 0,25±0,1       |

### Specifications / Test conditions

|                               | Min            | Typ.            | Max | Unit | Order Code |
|-------------------------------|----------------|-----------------|-----|------|------------|
| Impedance: ( Z )              |                | 0~10            |     | Ω    | 050        |
| DC-Resistance: (RDC)          | --             | 0,10            | --  | Ω    |            |
| Rated Current: ( IDC )        | --             | 300             | --  | mA   | 301F       |
| Operating Temperature: ( °C ) | -55°C ~ +125°C |                 |     |      |            |
| Tolerance: ( % )              | 25             | Tolerance Code: |     | N    |            |
| Test-Conditions: ( MHz )      | 100            | Material Code:  |     | F    |            |

#### Typical Impedance v.s. Frequency Curve:

#### Circuit



IMPEDANCE ( Ohm )

In the moment not available

FREQUENCY (Mhz)

#### High-Speed Signal Lines Chip Beads

Serie No.: **G12017-050-301F**

Customer:

|       |        |      |       |  |        |       |            |
|-------|--------|------|-------|--|--------|-------|------------|
| DRW:  | Johnny | CHKD | Carlo |  | Wor    | DATE  | 19.02.2023 |
| APPD: | Elva   |      |       |  | Vienna | Sheet | 1 from 2   |

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**Soldering Profile for Lead Soldering**

**Soldering Profile for Lead Free Soldering**



**Ordering Information**

| Serie | Tolerance | Special | ROHS | Packing |
|-------|-----------|---------|------|---------|
|-------|-----------|---------|------|---------|

|                 |   |   |   |    |
|-----------------|---|---|---|----|
| G12017-050-301F | N | X | R | TR |
|-----------------|---|---|---|----|

|                               |                                     |                                 |                         |
|-------------------------------|-------------------------------------|---------------------------------|-------------------------|
| <b>N=</b><br>Tolerance<br>25% | <b>X=</b> No<br>special<br>function | <b>R=</b> ROHS<br>conform       | <b>BU=</b> Bulk<br>Ware |
|                               |                                     | <b>N=NON</b><br>ROHS<br>conform |                         |
|                               |                                     |                                 | <b>TR=</b><br>Tape/Reel |

| High-Speed Signal Lines<br>Chip Beads |                        |
|---------------------------------------|------------------------|
| Serie No.:                            | <b>G12017-050-301F</b> |
| Customer:                             |                        |

|       |        |      |       |        |       |            |
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