



### 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 |  |
|-----------------|-----------|----------|----------------|--|
|                 | 0201      |          | 0603           |  |
| L (mm)          | W (mm)    | T (mm)   | RW (mm)        |  |
| 0,6±0,05        | 0,3±0,05  | 0,3±0,05 | 0,15±0,05      |  |

### Specifications / Test conditions

|                               | Min                    | Typ.            | Max | Unit      | Order Code |
|-------------------------------|------------------------|-----------------|-----|-----------|------------|
| Impedance: ( Z )              |                        | <b>470</b>      |     | <b>Ω</b>  | <b>471</b> |
| DC-Resistance: (RDC)          | --                     | <b>1,40</b>     | --  | <b>Ω</b>  |            |
| Rated Current: ( IDC )        | --                     | <b>200</b>      | --  | <b>mA</b> | <b>201</b> |
| Operating Temperature: ( °C ) | <b>-.55°C ~ +125°C</b> |                 |     |           |            |
| Tolerance: ( % )              | <b>25</b>              | Tolerance Code: |     | <b>N</b>  |            |
| Test-Conditions: ( MHz )      | <b>100</b>             | Material Code:  |     | <b>D</b>  |            |

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

#### Circuit



IMPEDANCE ( Ohm )

In the moment not available

FREQUENCY (Mhz)

#### For General Line Chip Beads

Serie No.: **G12021-471-201**

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 |
|-------|-----------|---------|------|---------|
|-------|-----------|---------|------|---------|

|                |   |   |   |    |
|----------------|---|---|---|----|
| G12021-471-201 | 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 |

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