

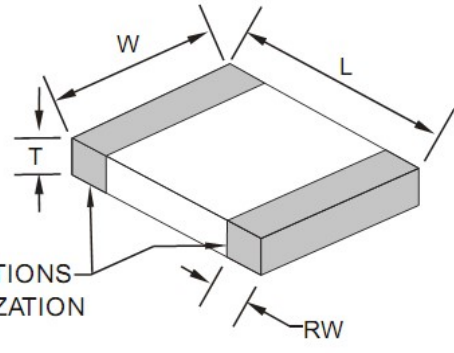


### Technical Specification

#### 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



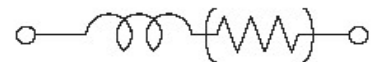
| Chip Dimensions |          | Size Code | Size Dimension |
|-----------------|----------|-----------|----------------|
|                 |          | 0603      | 1608           |
| L (mm)          | W (mm)   | T (mm)    | RW (mm)        |
| 1,6±0,15        | 0,8±0,15 | 0,8±0,15  | 0,3±0,2        |

### Specifications / Test conditions

|                               | Min                    | Typ.            | Max | Unit      | Order Code  |
|-------------------------------|------------------------|-----------------|-----|-----------|-------------|
| Impedance: ( Z )              |                        | <b>600</b>      |     | $\Omega$  | <b>601</b>  |
| DC-Resistance: (RDC)          | --                     | <b>0,40</b>     | --  | $\Omega$  |             |
| Rated Current: ( IDC )        | --                     | <b>500</b>      | --  | <b>mA</b> | <b>501D</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)

**General Signal Lines  
LOWER DCR Chip  
Beads**

Serie No.: **G12032-601-501D**

Customer:

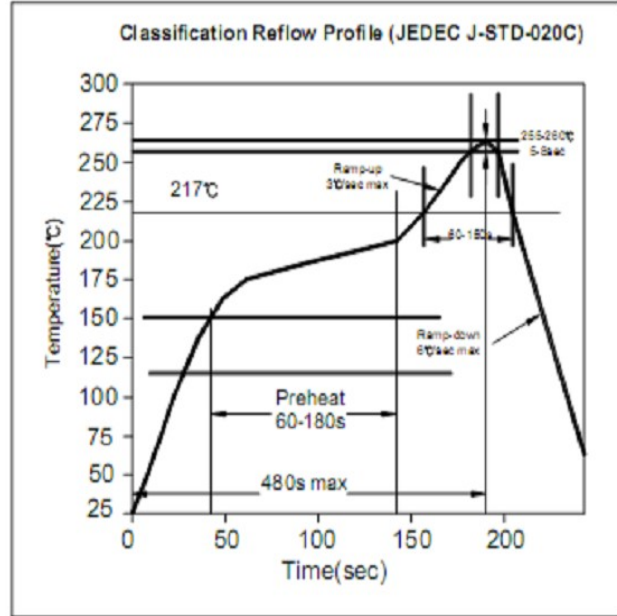
|       |        |      |       |  |        |       |            |
|-------|--------|------|-------|--|--------|-------|------------|
| DRW:  | Johnny | CHKD | Carlo |  | Wor    | DATE  | 19.02.2023 |
| APPD: | Elva   |      |       |  | Vienna | Sheet | 1 from 2   |

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**Soldering Profile for Lead Soldering**

**Soldering Profile for Lead Free Soldering**



**Ordering Information**

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

|                 |   |   |   |    |
|-----------------|---|---|---|----|
| G12032-601-501D | 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=</b> NON<br>ROHS<br>conform |                         |
|                               |                                     |                                  | <b>TR=</b><br>Tape/Reel |

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