



**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.

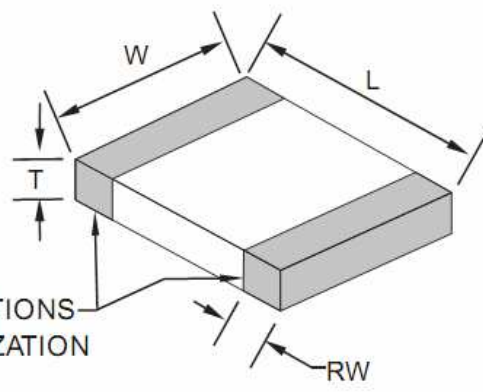
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

High speed and wide band application.

**Applications**

Personal Computers, communications equipment, digital telephones, electronic games machine, CRTs, Hard disk drive, cellular phones, PDAs, Printers, High current DC lines and other computer peripheral products.

**Dimensions**



TERMINATIONS  
 (METALLIZATION  
 BANDS)

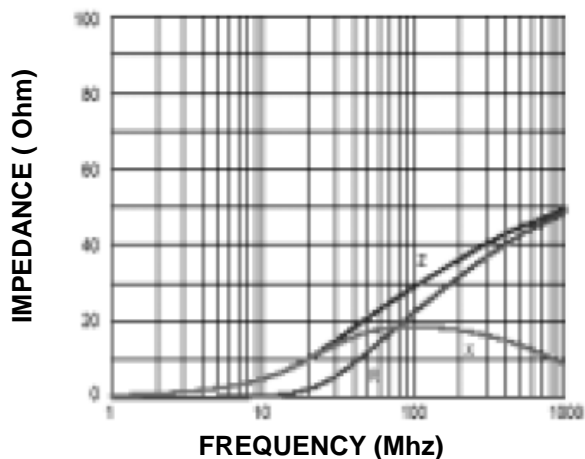
**Chip Dimensions**

| L (mm)      | W (mm)     | T (mm)     | RW (mm)     |
|-------------|------------|------------|-------------|
| 1,00 +/-0,1 | 0,5 +/-0,1 | 0,5 +/-0,1 | 0,25 +/-0,1 |

**Test conditions**

| Specifications | Test Conditions |                 | Value       | Unit     | Tol.           |
|----------------|-----------------|-----------------|-------------|----------|----------------|
| Impedance      | <b>100Mhz</b>   | Z               | <b>30</b>   | <b>Ω</b> | <b>+/- 25%</b> |
| Max. Impedance |                 | Z               |             | <b>Ω</b> | typ.           |
| DC-Resistance  |                 | R <sub>DC</sub> | <b>0,20</b> | <b>Ω</b> | max.           |
| Rated Current  |                 | I <sub>bc</sub> | <b>300</b>  | mA       | max.           |
|                |                 |                 |             |          |                |

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



**Ferrite Chip Bead Size 0402**

Serie No.: **G12008**

Customer:

|       |        |      |       |        |        |       |            |
|-------|--------|------|-------|--------|--------|-------|------------|
| DRW:  | Johnny | CHKD | Carlo | MATL:  | Wor    | DATE  | 06.06.2009 |
| APPD: | Elva   |      |       | FINISH | Vienna | Sheet | 1 from 2   |



**P.C.B. Layout Dimension**

|   | (mm)      |
|---|-----------|
| A | 0,3       |
| B | 1,5 ~ 1,8 |
| C | 0,7       |



**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

| Serie  | Impedance | Tolerance | Current | ROHS | Packing |
|--------|-----------|-----------|---------|------|---------|
| G12008 | 300       | N         | 301     | R    | TRxxx   |

|             |                  |            |                    |                          |
|-------------|------------------|------------|--------------------|--------------------------|
| 300= 30 Ohm | N= Tolerance 25% | 301= 300mA | R= ROHS conform    | BU101= Bulk Ware 100PCS  |
|             |                  |            | N=NON ROHS conform | TRxxx= Tape/Reel xxxxPCS |

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| DRW:  | Johnny | CHKD | Carlo | MATL:  | Wor    | DATE  | 06.06.2007 |
| APPD: | Elva   |      |       | FINISH | Vienna | Sheet | 2 from 2   |