



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.

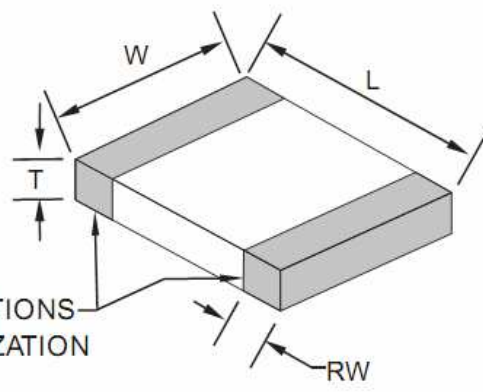
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

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



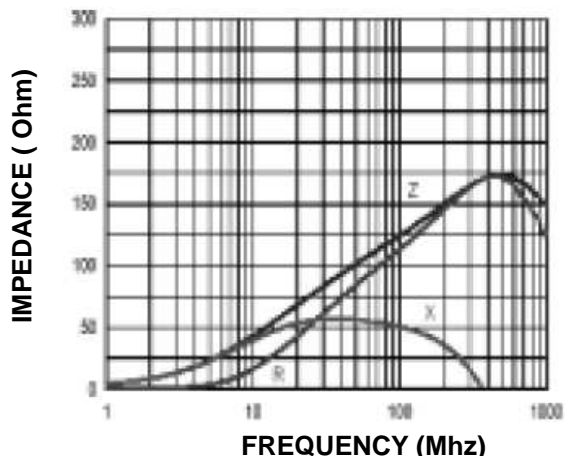
Chip Dimensions

| L (mm) | W (mm) | T (mm) | RW (mm) |
|-------------|------------|------------|------------|
| 2,00 +/-0,2 | 1,2 +/-0,2 | 0,9 +/-0,2 | 0,5 +/-0,3 |

Test conditions

| Specifications | Test Conditions | | Value | Unit | Tol. |
|----------------|-----------------|-----------------|-------------|----------|----------------|
| Impedance | 100Mhz | Z | 120 | Ω | +/- 25% |
| Max. Impedance | | Z | | Ω | typ. |
| DC-Resistance | | R _{DC} | 0,15 | Ω | max. |
| Rated Current | | I _{bc} | 300 | mA | max. |
| | | | | | |

Typical Impedance v.s. Frequency Curve:



Ferrit Chip Bead Size 0805

Serie No.: **G12010**

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 | 1,2 |
| B | 3,0 ~ 4,0 |
| C | 1,0 |



Soldering Profile

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



Ordering Information

| Serie | Impedance | Tolerance | Current | ROHS | Packing |
|--------|-----------|-----------|---------|------|---------|
| G12010 | 121 | N | 301 | R | TRxxx |

| | | | | |
|--------------|------------------|-----------|--------------------|--------------------------|
| 121= 120 Ohm | N= Tolerance 25% | 301= 0,3A | R= ROHS conform | BU101= Bulk Ware 100PCS |
| | | | N=NON ROHS conform | TRxxx= Tape/Reel xxxxPCS |

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