



Technical Specification

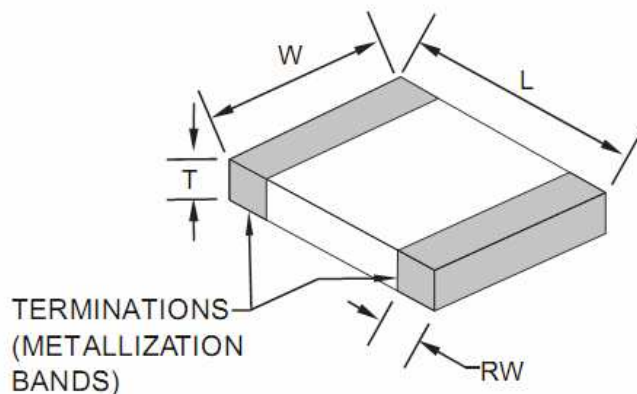
Features

- 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.

Applications

for high speed signal lines

Dimensions



Chip Dimensions

| L (mm) | W (mm) | T (mm) | RW (mm) |
|-------------|-------------|-------------|------------|
| 2,00 +/-0,2 | 1,25 +/-0,2 | 1,25 +/-0,2 | 0,5 +/-0,2 |

Test conditions

| Specifications | Test Conditions | | Value | Unit | Tol. |
|-----------------------|------------------|-----------------|-------------|----------|----------------|
| Impedance | 100Mhz | Z | 220 | Ω | +/- 25% |
| Max. Impedance | | Z | | Ω | typ. |
| DC-Resistance | | R _{DC} | 0,26 | Ω | max. |
| Rated Current | | I _{DC} | 500 | mA | max. |
| Operating Temperature | -55°C to + 125°C | °C | | | |

Typical Impedance v.s. Frequency Curve:

IMPEDANCE (Ohm)

Circuit



FREQUENCY (Mhz)

| | | | | | | | |
|-------|--------|------|-------|--------|--------|-------|------------|
| DRW: | Johnny | CHKD | Carlo | MATL: | Wor | DATE | 14.01.2013 |
| APPD: | Elva | | | FINISH | Vienna | Sheet | 1 from 2 |

Ferrit Chip Bead Size 0805

Serie No.: **G12038**

Customer:



P.C.B. Layout Dimension

| | (mm) |
|---|-------------|
| A | 1,10 ~ 1,30 |
| B | 3,0 ~ 4,0 |
| C | 1,00 ~ 1,65 |



Soldering Profile

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



Ordering Information

| Serie | Impedance | Tolerance | Current | Special | ROHS | Packing |
|--------------|-----------|------------------|-----------|------------------------|---------------------------------------|--------------------------------|
| G12038 | 221 | N | 501 | X | R | TR |
| 221= 220 Ohm | | N= Tolerance 25% | 501= 0,5A | X= No special function | R= ROHS conform N=NON ROHS conform | BU= Bulk Ware TR= Tape/Reel |

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| | | | | | | | |
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