



Technical Specification

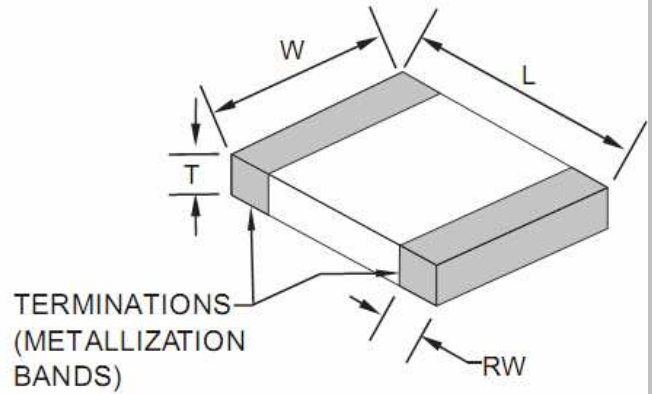
Features

- 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.
- Current application rating look at range.

Applications

for power lines

Dimensions



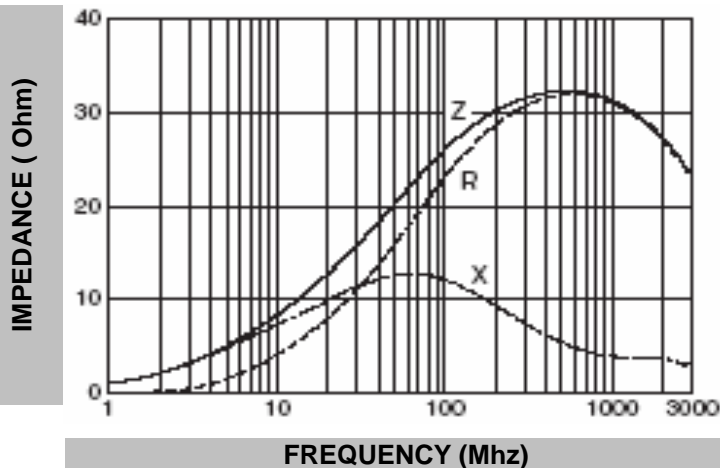
Chip Dimensions

| L (mm) | W (mm) | T (mm) | RW (mm) |
|-------------|-------------|-------------|------------|
| 1,60 +/-0,2 | 0,8 +/-0,15 | 0,8 +/-0,15 | 0,4 +/-0,2 |

Test conditions

| Specifications | Test Conditions | | Value | Unit | Tol. |
|-----------------------------|-----------------|-----------------|-------------|----------|----------------|
| Impedance | 100Mhz | Z | 30 | Ω | +/- 25% |
| Max. Impedance | | Z | | Ω | typ. |
| DC-Resistance | | R _{DC} | 0,05 | Ω | max. |
| Rated Current | | I _{bc} | 1000 | mA | max. |
| Operating Temperature Range | -55°C ~ +125°C | °C | | | |

Typical Impedance v.s. Frequency Curve:



Circuit



Ferrit Chip Bead Size 0603

Serie No.: **G12024**

Customer:

| | | | | | | | |
|-------|--------|------|-------|--------|--------|-------|------------|
| DRW: | Johnny | CHKD | Carlo | MATL: | Wor | DATE | 12.01.2013 |
| APPD: | Elva | | | FINISH | Vienna | Sheet | 1 from 2 |



P.C.B. Layout Dimension

| | (mm) |
|---|-------------|
| A | 0,61 ~ 0,79 |
| B | 1,83 ~ 2,21 |
| C | 0,71 ~ 1,09 |



Soldering Profile

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



Ordering Information

| Serie | Impedance | Tolerance | Current | Special | ROHS | Packing |
|--------|-------------|------------------|-----------|------------------------|---------------------------------------|--------------------------------|
| G12024 | 300 | N | 102 | X | R | TR |
| | 300= 30 Ohm | N= Tolerance 25% | 102= 1,0A | X= No special function | R= ROHS conform N=NON ROHS conform | BU= Bulk Ware TR= Tape/Reel |

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