



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.

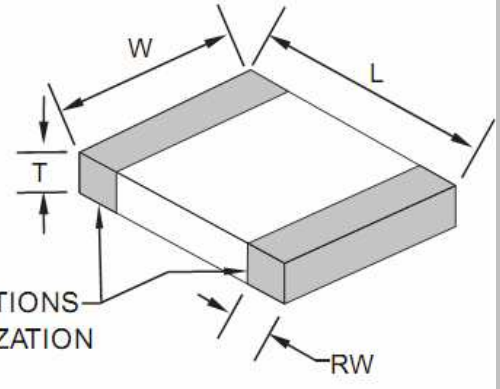
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

Current application rating look at range.

Applications

for high speed signal lines

Dimensions



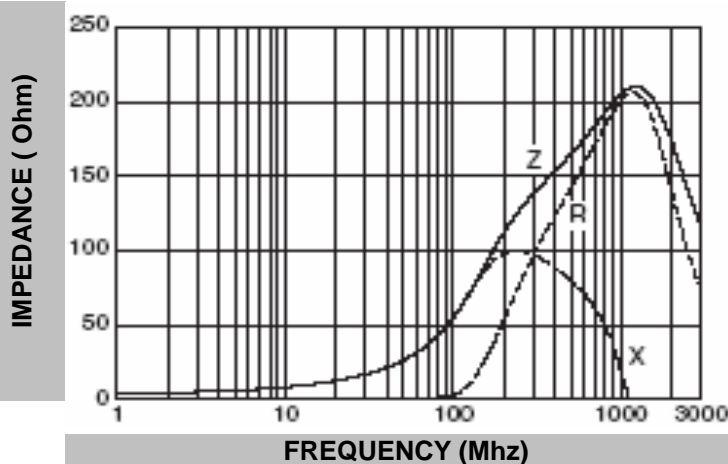
Chip Dimensions

| 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 | 47 | Ω | +/- 25% |
| Max. Impedance | | Z | | Ω | typ. |
| DC-Resistance | | R _{DC} | 0,250 | Ω | max. |
| Rated Current | | I _{bc} | 550 | mA | max. |
| Operating Temperature Range | -55°C ~ +125°C | °C | | | |

Typical Impedance v.s. Frequency Curve:



Circuit



Ferrit Chip Bead Size 0603

Serie No.: **G12028**

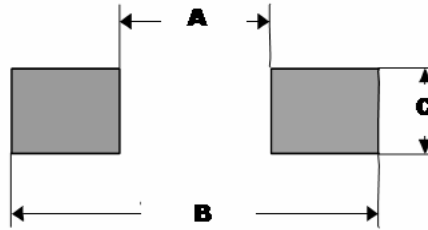
Customer:

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



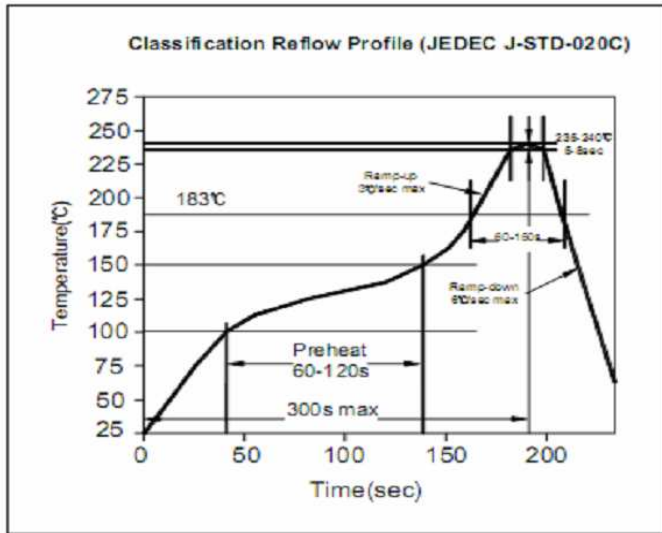
P.C.B. Layout Dimension

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

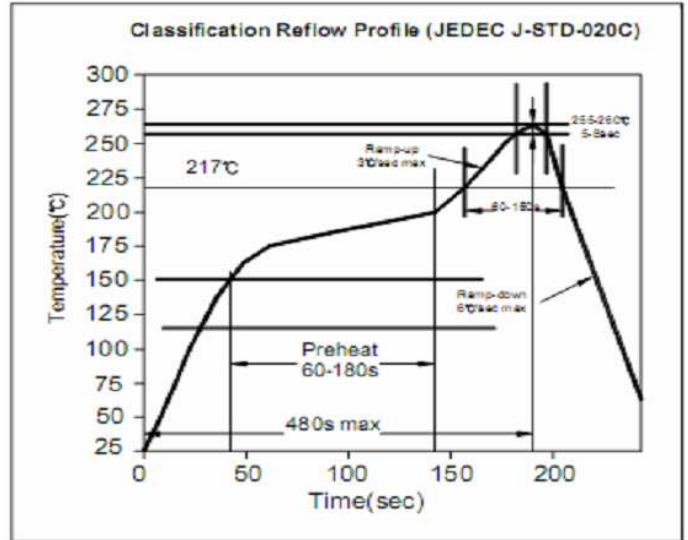


Soldering Profile

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



Ordering Information

| Serie | Impedance | Tolerance | Current | Special | ROHS | Packing |
|--------|-------------|------------------|------------|------------------------|---------------------------------------|--------------------------------|
| G12028 | 470 | N | 551 | X | R | TR |
| | 470= 47 Ohm | N= Tolerance 25% | 551= 0,55A | X= No special function | R= ROHS conform N=NON ROHS conform | BU= Bulk Ware TR= Tape/Reel |

Ferrit Chip Bead Size 0603

Serie No.: **G12028**

Customer:

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