



**Technical Specification**

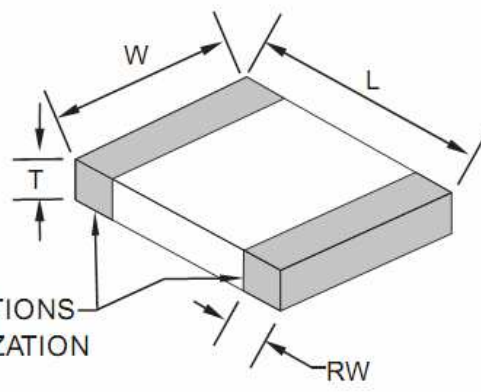
**Features**

- 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**



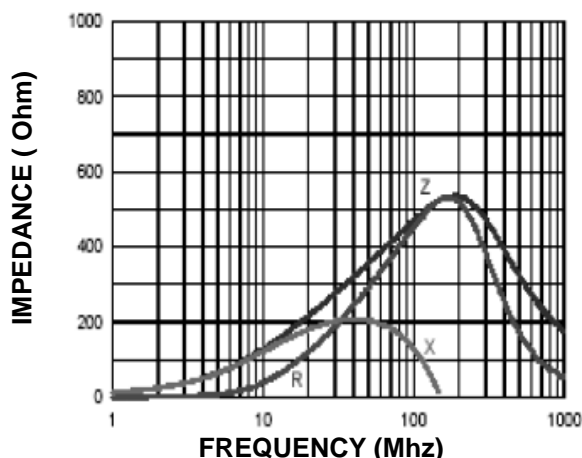
**Chip Dimensions**

| L (mm)       | W (mm)      | T (mm)      | RW (mm)    |
|--------------|-------------|-------------|------------|
| 1,60 +/-0,15 | 0,8 +/-0,15 | 0,8 +/-0,15 | 0,3 +/-0,2 |

**Test conditions**

| Specifications | Test Conditions |                 | Value       | Unit     | Tol.           |
|----------------|-----------------|-----------------|-------------|----------|----------------|
| Impedance      | <b>100Mhz</b>   | Z               | <b>470</b>  | $\Omega$ | <b>+/- 25%</b> |
| Max. Impedance |                 | Z               |             | $\Omega$ | typ.           |
| DC-Resistance  |                 | R <sub>DC</sub> | <b>0,55</b> | $\Omega$ | max.           |
| Rated Current  |                 | I <sub>DC</sub> | <b>200</b>  | mA       | max.           |
|                |                 |                 |             |          |                |

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



**Ferrit Chip Bead Size 0603**

Serie No.: **G12009**

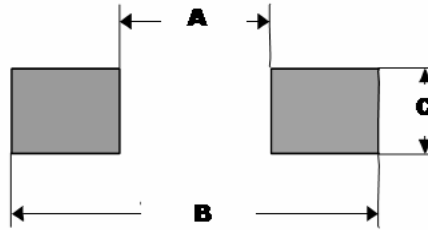
Customer:

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



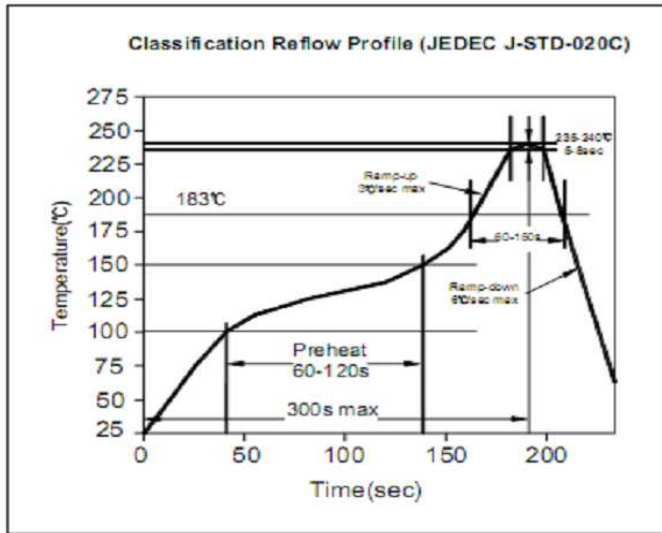
**P.C.B. Layout Dimension**

|   | (mm)      |
|---|-----------|
| A | 0,7       |
| B | 2,2 ~ 2,6 |
| C | 0,7       |

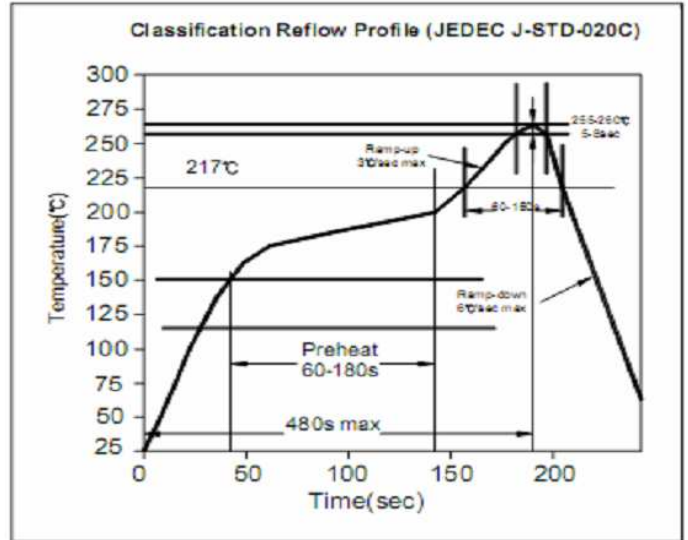


**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

| Serie  | Impedance | Tolerance | Current | ROHS | Packing |
|--------|-----------|-----------|---------|------|---------|
| G12009 | 471       | N         | 201     | R    | TRxxx   |

|              |                  |           |                    |                          |
|--------------|------------------|-----------|--------------------|--------------------------|
| 471= 470 Ohm | N= Tolerance 25% | 201= 0,2A | 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   |