



## 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.

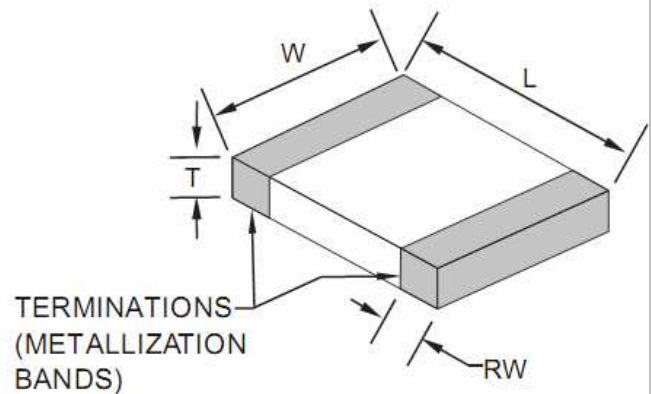
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

High speed / 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



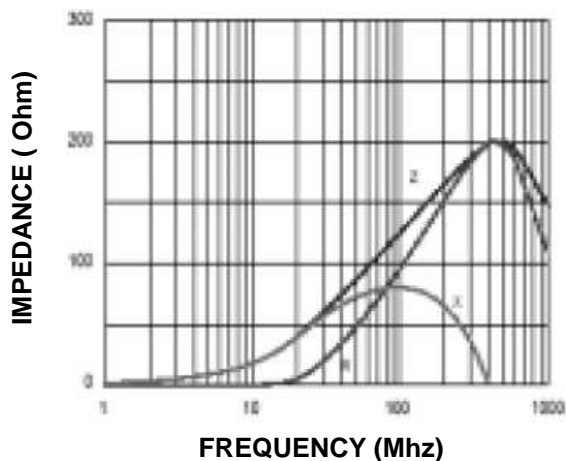
### Chip Dimensions

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

## Test conditions

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>68</b>	<b>Ω</b>	<b>+/- 25%</b>
Max. Impedance		Z		<b>Ω</b>	typ.
DC-Resistance		R <sub>DC</sub>	<b>0,17</b>	<b>Ω</b>	max.
Rated Current		I <sub>DC</sub>	<b>500</b>	mA	max.

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



### Ferrit Chip Bead Size 0402

Serie No.: **G12008**

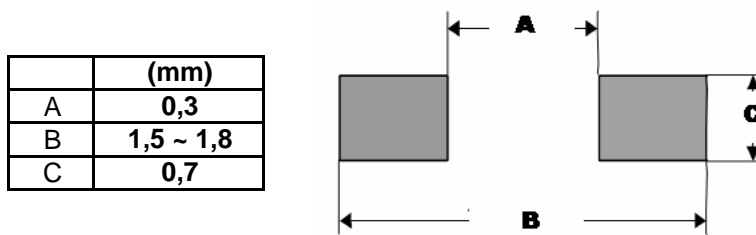
Customer:

DRW:	Johnny	CHKD	Carlo	MATL:	Wor	DATE	10.12.2012
APPD:	Elva			FINISH	Vienna	Sheet	1 from 2

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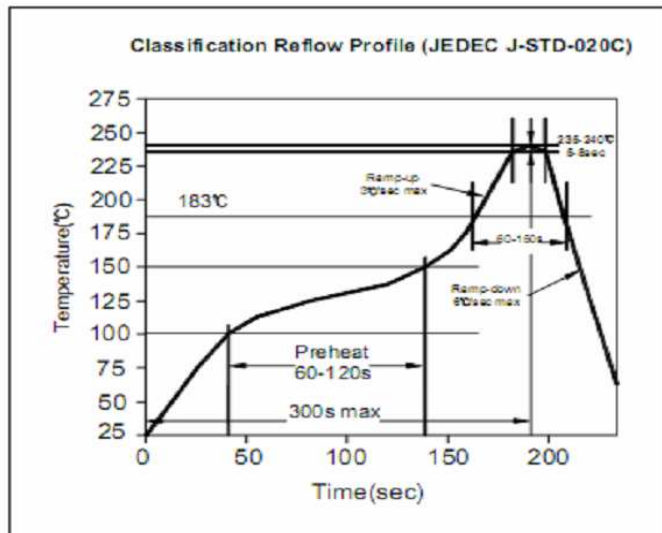


### P.C.B. Layout Dimension

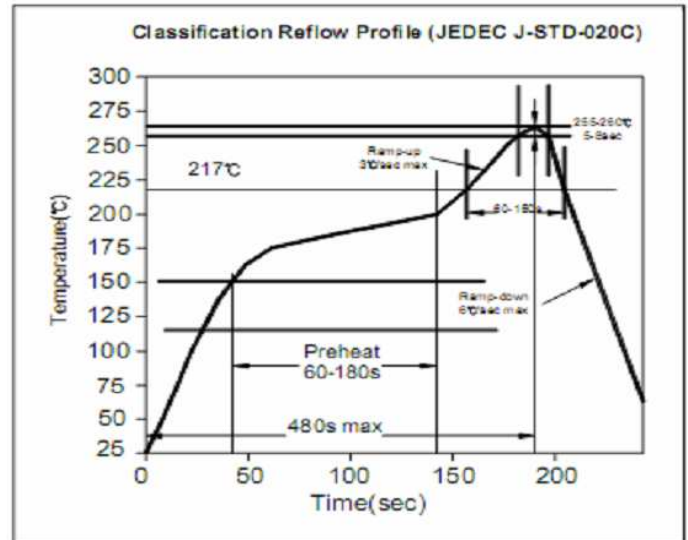


### Soldering Profile

#### Soldering Profile for Lead Soldering



#### Soldering Profile for Lead Free Soldering



### Ordering Information

Serie	Impedance	Tolerance	Current	ROHS	Packing	
G12008	680	N	501	R	TRxxx	
680= 68 Ohm		N= Tolerance 25%	501= 500mA	R= ROHS conform	BU101= Bulk Ware 100PCS	
				N=NON ROHS conform	TRxxx= Tape/Reel xxxxPCS	

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