



**Technical Specification**

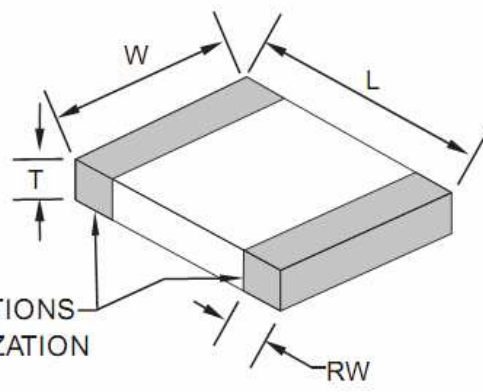
**Features**

- 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 up to 6A look at size.

**Applications**

General Signal Lines

**Dimensions**



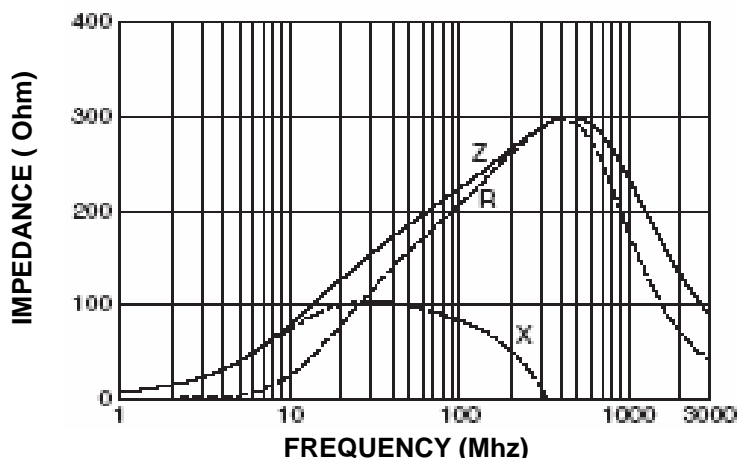
**Chip Dimensions**

L (mm)	W (mm)	T (mm)	RW (mm)
1,00 +/-0,05	0,5 +/-0,05	0,5 +/-0,05	0,25 +/-0,1

**Test conditions**

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>220</b>	$\Omega$	<b>+/- 25%</b>
Max. Impedance		Z		$\Omega$	typ.
DC-Resistance		R <sub>DC</sub>	<b>0,350</b>	$\Omega$	max.
Rated Current		I <sub>DC</sub>	<b>300</b>	mA	max.

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



**Circuit**



**Ferrit Chip Bead Size 0402**

Serie No.: **G12008**

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	0,30 ~ 0,51
B	1,02 ~ 1,42
C	0,46 ~ 0,61

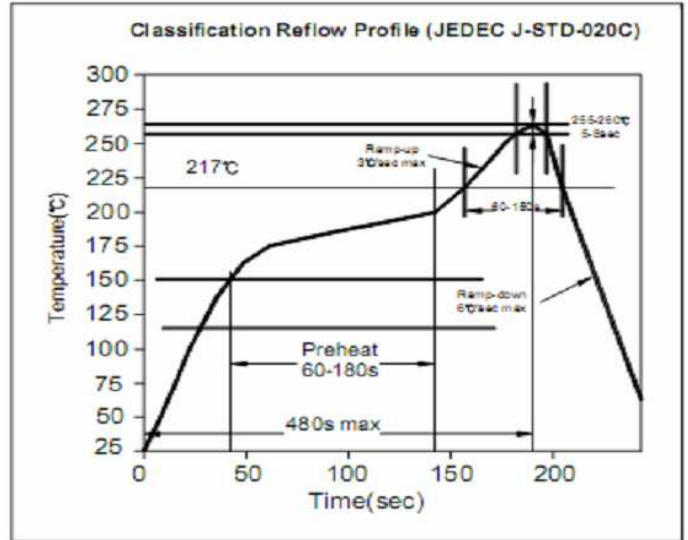


**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

Serie	Impedance	Tolerance	Current	ROHS	Packing
G12008	221	N	301	R	TR

221= 220 Ohm	N= Tolerance 25%	301= 0,3A	R= ROHS conform	BU= Bulk Ware TR= Tape/Reel
			N=NON ROHS conform	

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