



### 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.

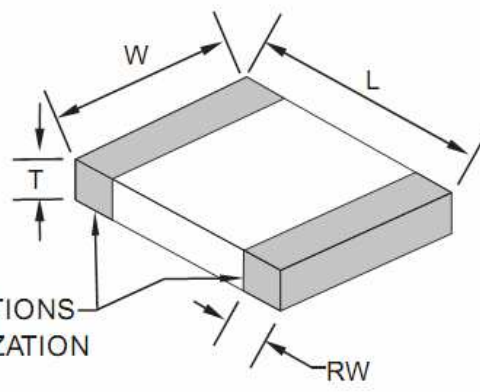
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

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



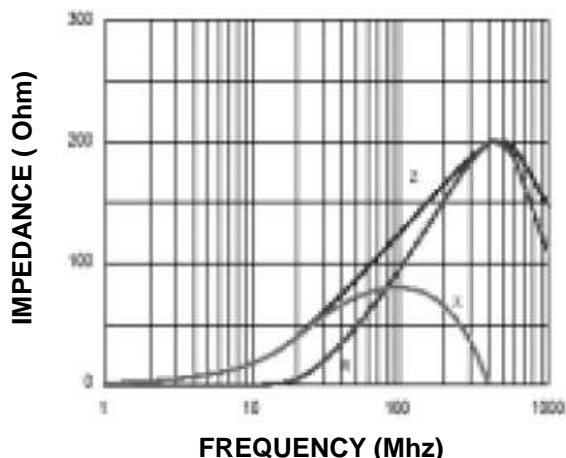
#### Chip Dimensions

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>120</b>	$\Omega$	<b>+/- 25%</b>
Max. Impedance		Z		$\Omega$	typ.
DC-Resistance		R <sub>DC</sub>	<b>0,30</b>	$\Omega$	max.
Rated Current		I <sub>DC</sub>	<b>100</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	06.06.2009
APPD:	Elva			FINISH	Vienna	Sheet	1 from 2



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

	(mm)
A	0,3
B	1,5 ~ 1,8
C	0,7



**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

Serie	Impedance	Tolerance	Current	ROHS	Packing
G12008	121	N	101	R	TRxxx

121= 120 Ohm	N= Tolerance 25%	101= 100mA	R= ROHS conform	BU101= Bulk Ware 100PCS
			N=NON ROHS conform	TRxxx= Tape/Reel xxxxPCS

**Ferrit Chip Bead Size 0402**

Serie No.: **G12008**

Customer:

DRW:	Johnny	CHKD	Carlo	MATL:	Wor	DATE	06.06.2007
APPD:	Elva			FINISH	Vienna	Sheet	2 from 2