



**Technical Specification**

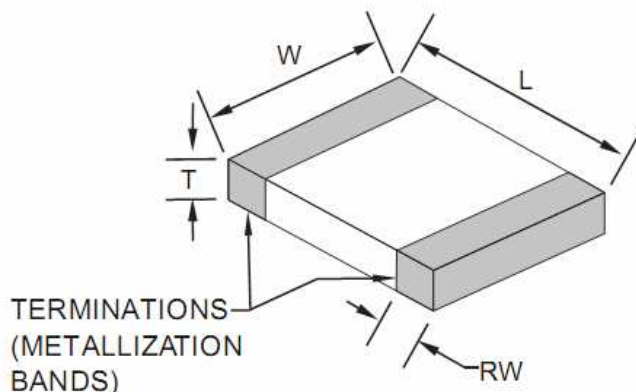
**Features**

- 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)
4,50 +/-0,25	1,6 +/-0,2	1,6 +/-0,2	0,5 +/-0,3

**Test conditions**

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>70</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>300</b>	mA	max.

Typical Impedance v.s. Frequency Curve:

IMPEDANCE ( Ohm)

FREQUENCY (Mhz)

**Ferrit Chip Bead Size 1808**

Serie No.: **G12013**

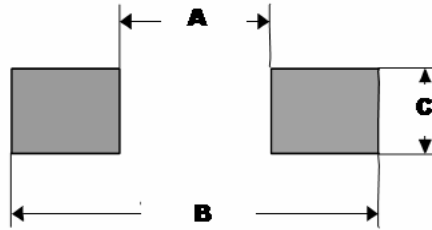
Customer:

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	3,0
B	5,5 ~ 6,5
C	2,5



**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

Serie	Impedance	Tolerance	Current	ROHS	Packing
G12013	700	M	301	R	TRxxx

700= 70 Ohm	M= Tolerance 20% K= Tolerance 10%	301= 300mA	R= ROHS conform N=NON ROHS conform	BU101= Bulk Ware 100PCS TRxxx= Tape/Reel xxxxPCS
-------------	--------------------------------------	------------	---------------------------------------	---

**Ferrit Chip Bead Size 1808**

Serie No.: **G12013**

Customer:

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