



**Technical Specification**

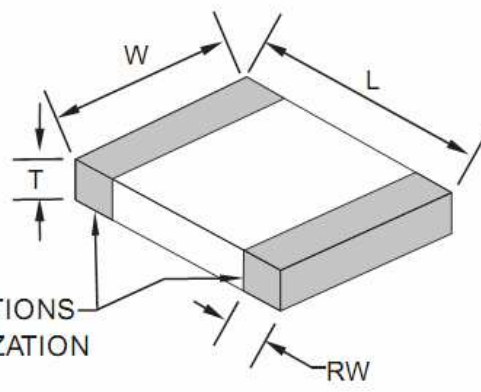
**Features**

- 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**

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**



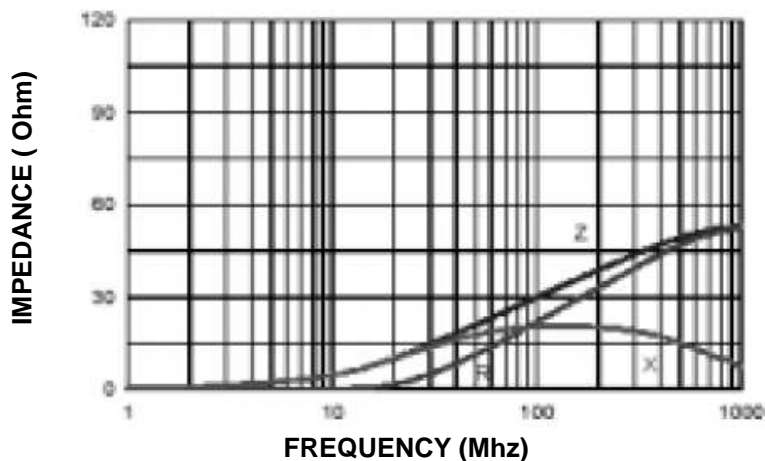
**Chip Dimensions**

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

**Test conditions**

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>30</b>	<b>Ω</b>	<b>+/- 25%</b>
Max. Impedance		Z		<b>Ω</b>	typ.
DC-Resistance		R <sub>DC</sub>	<b>0,04</b>	<b>Ω</b>	max.
Rated Current		I <sub>DC</sub>	<b>3000</b>	mA	max.

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



**Ferrite Chip Bead Size 0603  
High Current**

Serie No.: **G12001**

Customer:

DRW:	Johnny	CHKD	Carlo	MATL:	Wor	DATE	06.06.2009
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**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
G12001	300	N	302	R	TRxxx

300= 30 Ohm	N= Tolerance 25%	302= 3,0A	R= ROHS conform	BU101= Bulk Ware 100PCS
			N=NON ROHS conform	TRxxx= Tape/Reel xxxxPCS

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