



**Technical Specification**

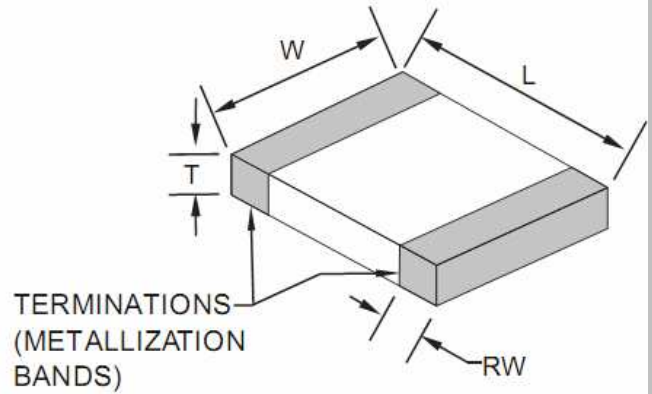
**Features**

- 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)
2,00 +/-0,2	1,2 +/-0,2	0,9 +/-0,2	0,5 +/-0,3

**Test conditions**

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>3000</b>	<b>Ω</b>	<b>+/- 25%</b>
Max. Impedance		Z		<b>Ω</b>	typ.
DC-Resistance		R <sub>DC</sub>	<b>1,40</b>	<b>Ω</b>	max.
Rated Current		I <sub>DC</sub>	<b>50</b>	mA	max.

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

**IMPEDANCE ( Ohm)**

**FREQUENCY (Mhz)**

**Ferrit Chip Bead Size 0805**

Serie No.: **G12010**

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

	(mm)
A	1,2
B	3,0 ~ 4,0
C	1,0



**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

Serie	Impedance	Tolerance	Current	ROHS	Packing
G12010	302	M	500	R	TRxxx

302= 3000 Ohm	M= Tolerance 20%	500= 50mA	R= ROHS conform	BU101= Bulk Ware 100PCS
	K= Tolerance 10%		N=NON ROHS conform	

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