



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)
1,60 +/-0,15	0,8 +/-0,15	0,8 +/-0,15	0,3 +/-0,2

Test conditions

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	100Mhz	Z	31	Ω	+/- 25%
Max. Impedance		Z		Ω	typ.
DC-Resistance		R _{DC}	0,06	Ω	max.
Rated Current		I _{DC}	500	mA	max.

Typical Impedance v.s. Frequency Curve:

IMPEDANCE (Ohm)

FREQUENCY (Mhz)

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Ferrit Chip Bead Size 0603

Serie No.: **G12009**

Customer:



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
G12009	310	M	501	R	TRxxx

310= 31 Ohm	M= Tolerance 20%	501= 500mA	R= ROHS conform	BU101= Bulk Ware 100PCS
	K= Tolerance 10%		N=NON ROHS conform	

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