



**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.

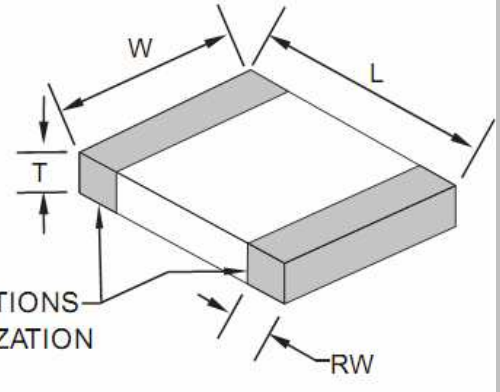
Low DC resistance structure of electronic to prevent wasteful electric power consumption.

Current application rating look at range.

**Applications**

for high speed signal lines

**Dimensions**



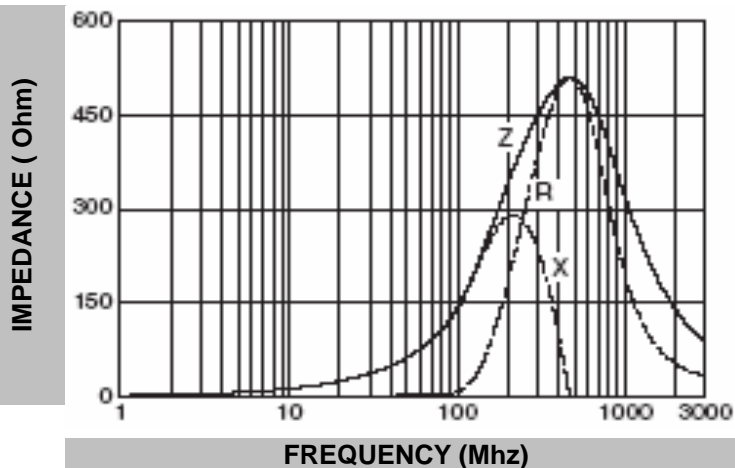
**Chip Dimensions**

L (mm)	W (mm)	T (mm)	RW (mm)
1,60 +/-0,2	0,8 +/-0,15	0,8 +/-0,15	0,4 +/-0,2

**Test conditions**

Specifications	Test Conditions		Value	Unit	Tol.
Impedance	<b>100Mhz</b>	Z	<b>140</b>	<b>Ω</b>	<b>+/- 25%</b>
Max. Impedance		Z		<b>Ω</b>	typ.
DC-Resistance		R <sub>DC</sub>	<b>0,350</b>	<b>Ω</b>	max.
Rated Current		I <sub>bc</sub>	<b>450</b>	mA	max.
Operating Temperature Range	-55°C ~ +125°C	°C			

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



**Circuit**



**Ferrit Chip Bead Size 0603**

Serie No.: **G12028**

Customer:

DRW:	Johnny	CHKD	Carlo	MATL:	Wor	DATE	12.01.2013
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**P.C.B. Layout Dimension**

	(mm)
A	0,61 ~ 0,79
B	1,83 ~ 2,21
C	0,71 ~ 1,09



**Soldering Profile**

**Soldering Profile for Lead Soldering**



**Soldering Profile for Lead Free Soldering**



**Ordering Information**

Serie	Impedance	Tolerance	Current	Special	ROHS	Packing
G12028	141	N	451	X	R	TR
	141= 140 Ohm	N= Tolerance 25%	451= 0,45A	X= No special function	R= ROHS conform N=NON ROHS conform	BU= Bulk Ware TR= Tape/Reel

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