

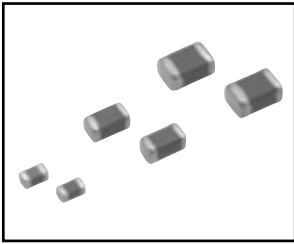
## CHIP BEADS [N-ZL Series]

### ■Features

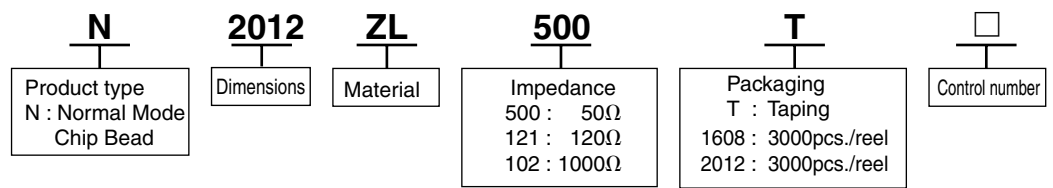
- Monolithic inorganic material construction for high reliability.
- Closed magnetic circuit configuration avoids crosstalk and is suitable for high density PCBs.
- N-ZL series is suitable for high-speed digital signal lines and high-frequency noise control because its impedance increases in high-frequency band area of more than 100MHz.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

### ■Applications

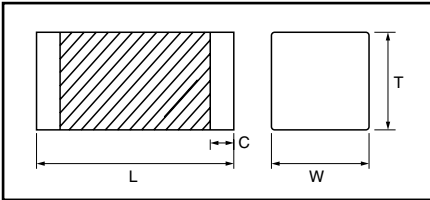
Noise control for · cellular phones · the digital video equipments in TV,VTR,DVD · computers and computer peripheral equipments · automotive electronics · DC lines in printer, FAX, etc.



### ■Part Number System



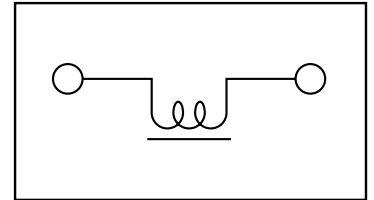
### ■Dimensions



Type	L	W	t	C (min.)
N1608ZL	1.6±0.15	0.8 ±0.15	0.8±0.15	0.1
N2012ZL	2.0±0.2	1.25±0.2	0.9±0.2	0.3

Unit : mm

### ■Equivalent circuit



### ■Part Number List • Specifications

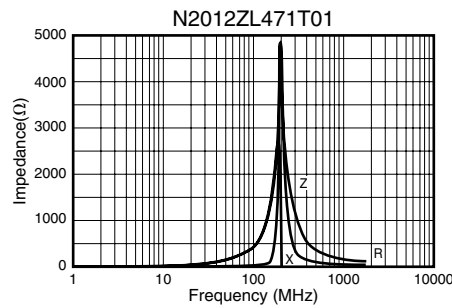
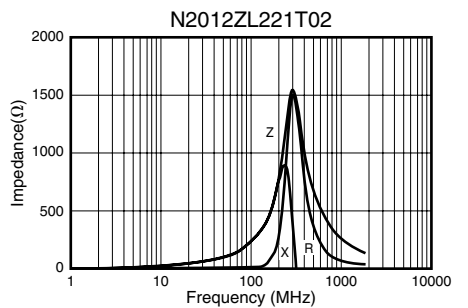
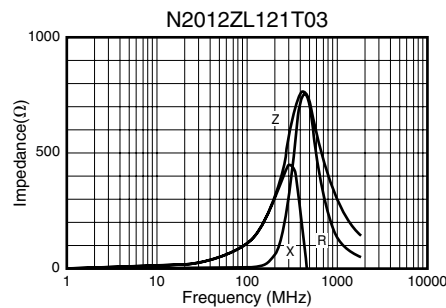
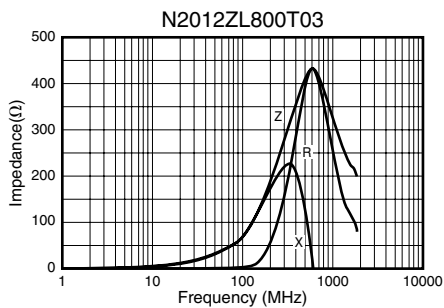
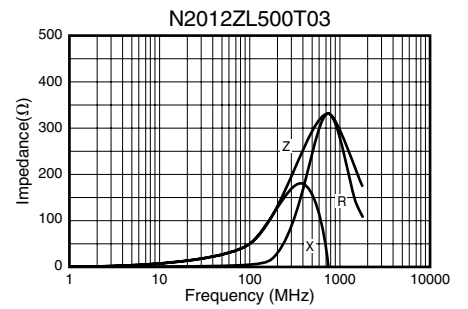
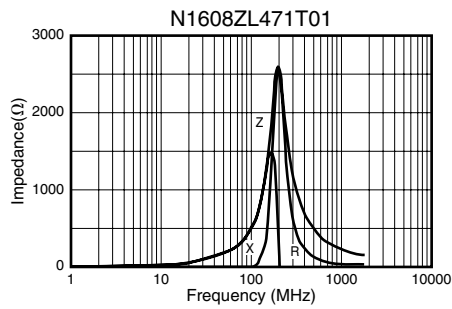
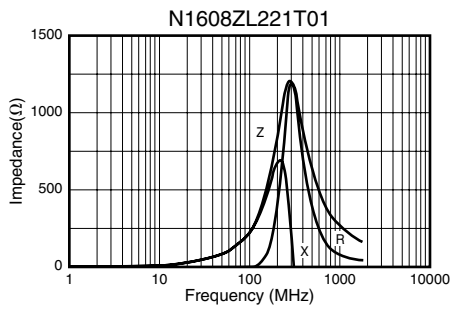
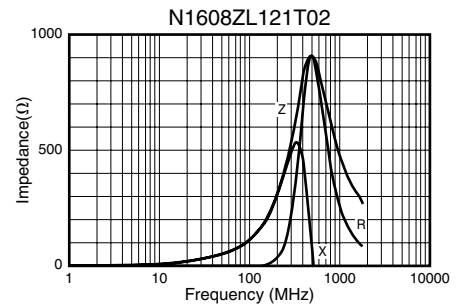
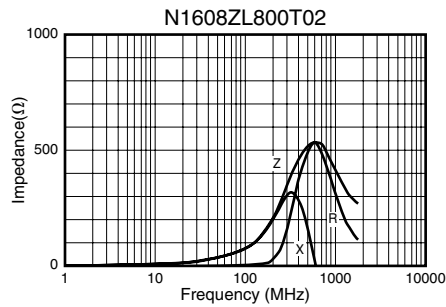
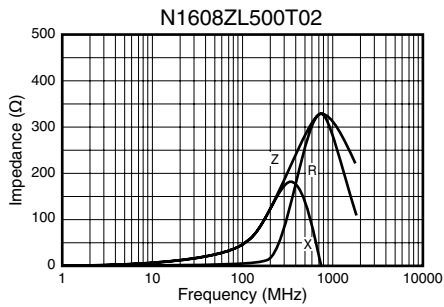
Part number	Impedance (Ω) at 100MHz	DC resistance (mΩ) max.	Rated current (A) max.
N1608ZL500T02	50±25%	250	200
N1608ZL800T02	80±25%	300	200
N1608ZL121T02	120±25%	400	200
N1608ZL221T01	220±25%	550	200
N1608ZL471T01	470±25%	900	150
N2012ZL500T03	50±25%	200	300
N2012ZL800T03	80±25%	300	300
N2012ZL121T03	120±25%	300	300
N2012ZL221T02	220±25%	300	200
N2012ZL471T01	470±25%	400	200

\*Operating temperature range(Including temperature rise): -55 to +125°C

\*Storage temperature range (taping): -5 to +40°C (bulk) : -55 to +125°C

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**Impedance vs. Frequency (Typ.)**



EMI FILTERS