

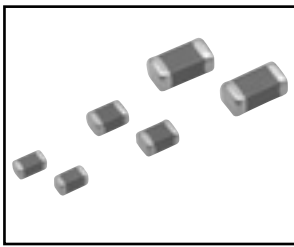
CHIP BEADS [N-ZP · N-ZEP · ZPS Series]

■ Features

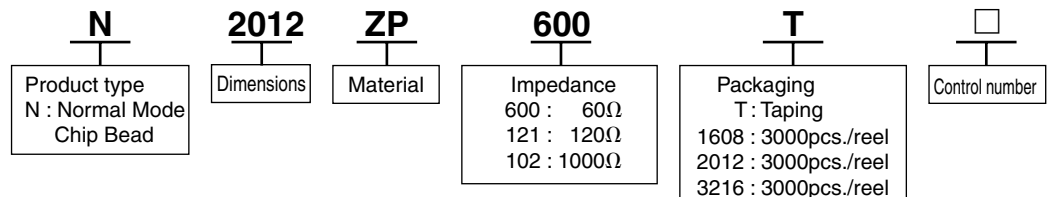
- Monolithic inorganic material construction for high reliability.
- Closed magnetic circuit configuration avoids crosstalk and is suitable for high density PCBs.
- It is a chip type multilayer ferrite bead for DC lines that N-ZP, N-ZEP and N-ZPS series are applicable to rated voltage for a maximum current of 2.5A, 3.5A and 6A.
- It can effectively reduce/prevent the transmission of noises from electric power source line and leaks to its power source line when mounted in series in its noise inducing area.
- Nickel and tin plated barrier terminations offer good solderability and resistance to soldering heat.
- RoHS Compliant.

■ Applications

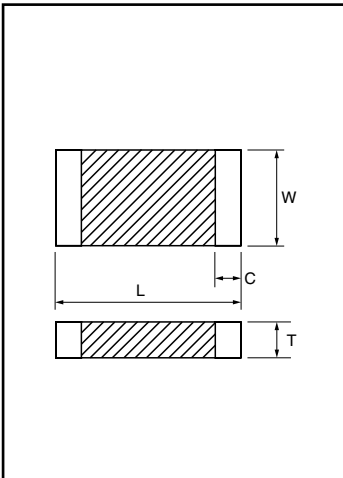
Noise control for · cellular phones · the digital video equipments in TV, VTR, DVD · computers and computer peripheral equipments · automotive electronics · DC lines in printer, FAX, etc.



■ Part Number System

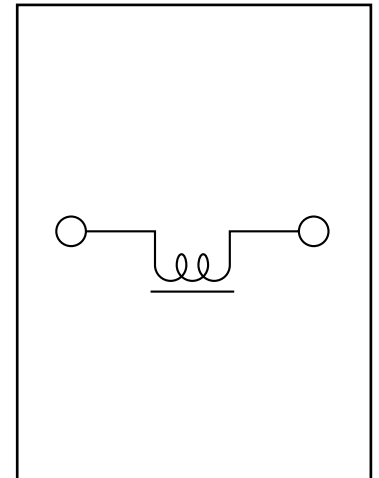


■ Dimensions



Type	L	W	t	C (min.)
N1608ZP600T05	1.6±0.15	0.8 ±0.15	0.8 ±0.15	0.1
N1608ZP121T05	1.6±0.15	0.8 ±0.15	0.8 ±0.15	0.1
N1608ZP221T15	1.6±0.15	0.8 ±0.15	0.8 ±0.15	0.1
N2012ZP600T25	2.0±0.2	1.25±0.2	0.9 ±0.2	0.3
N2012ZP121T25	2.0±0.2	1.25±0.2	0.9 ±0.2	0.3
N2012ZP221T20	2.0±0.2	1.25±0.2	0.9 ±0.2	0.3
N2012ZP301T20	2.0±0.2	1.25±0.2	0.9 ±0.2	0.3
N2012ZP501T10	2.0±0.2	1.25±0.2	0.9 ±0.2	0.3
N3216ZP500T25	3.2±0.2	1.6 ±0.2	1.35±0.3	0.3
N3216ZP121T25	3.2±0.2	1.6 ±0.2	1.35±0.3	0.3
N3216ZP501T25	3.2±0.2	1.6 ±0.2	1.35±0.3	0.3
N1608ZEP800T35	1.6±0.15	0.8 ±0.15	0.8 ±0.15	0.1
N1608ZEP221T10	1.6±0.15	0.8 ±0.15	0.8 ±0.15	0.1
N2012ZPS600T50	2.0±0.2	1.25±0.2	1.0 ±0.2	0.3
N2012ZPS800T50	2.0±0.2	1.25±0.2	1.0 ±0.2	0.3
N2012ZPS121T50	2.0±0.2	1.25±0.2	1.0 ±0.2	0.3
N3216ZPS500T60	3.2±0.2	1.6 ±0.2	1.3 ±0.3	0.3

■ Equivalent circuit



■ Part Number List • Specifications

Unit : mm

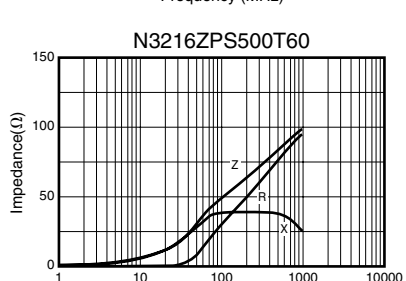
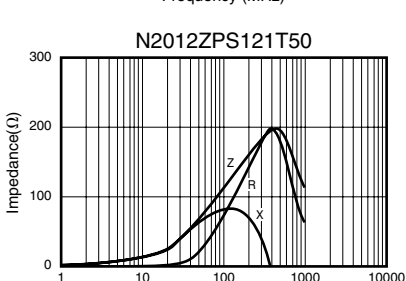
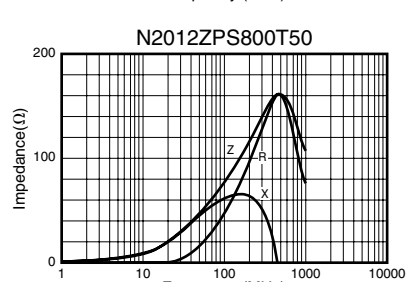
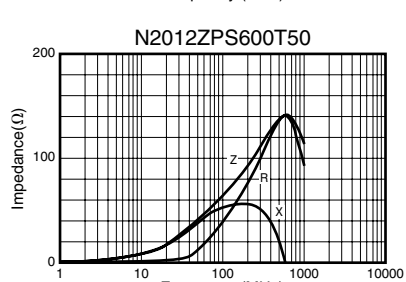
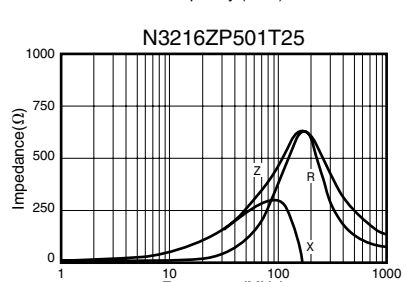
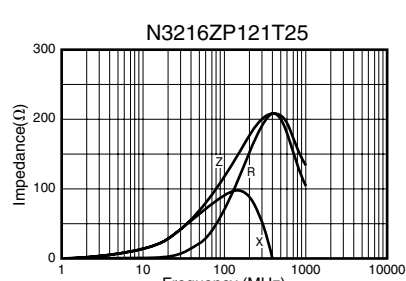
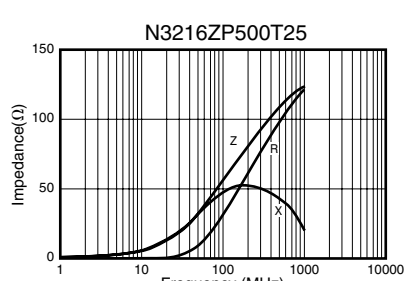
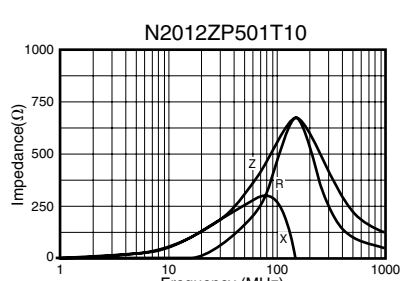
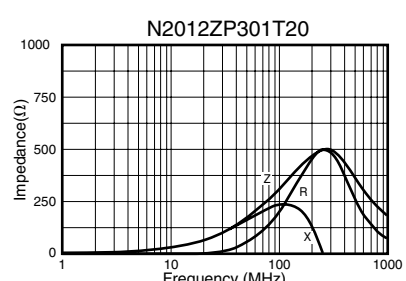
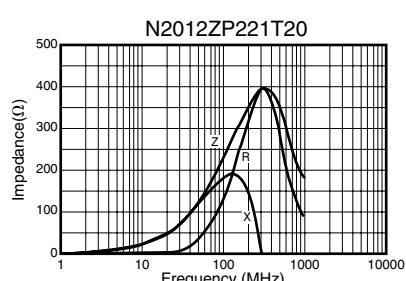
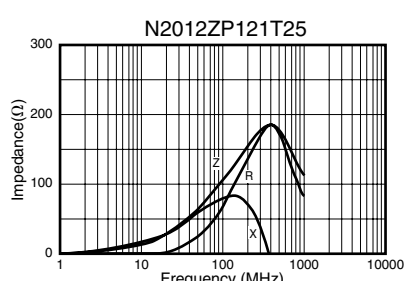
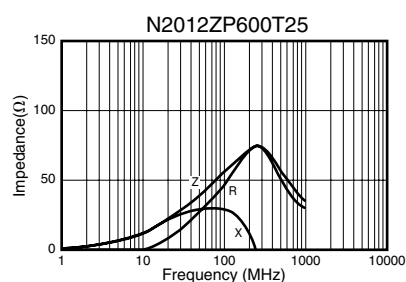
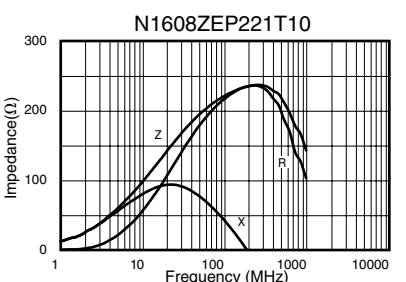
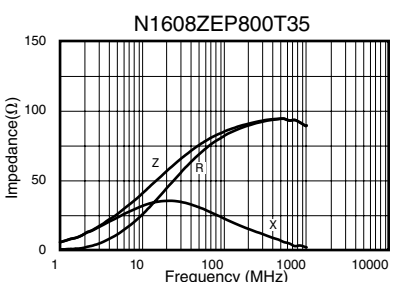
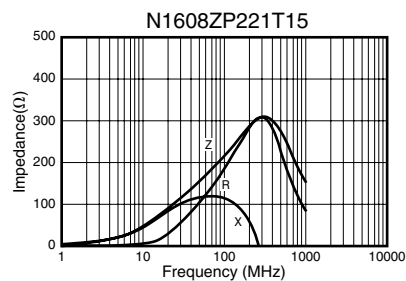
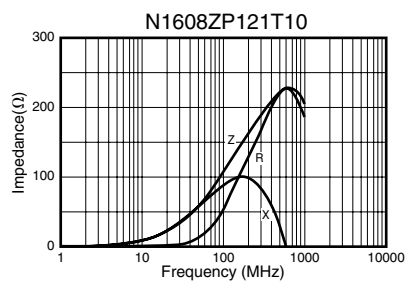
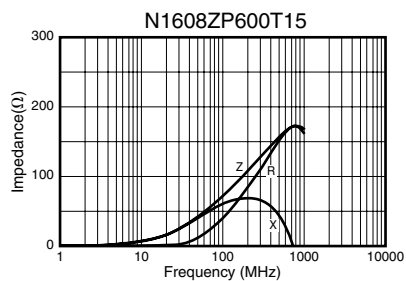
Part number	Impedance (Ω) at 100MHz	DC resistance (mΩ) max.	Rated current (A) max.
N1608ZP600T15	60±25%	100	1.5
N1608ZP121T10	120±25%	150	1.0
N1608ZP221T15	220±25%	50	1.5
N2012ZP600T25	60±25%	20	2.5
N2012ZP121T25	120±25%	50	2.5
N2012ZP221T20	220±25%	50	2.0
N2012ZP301T20	300±25%	50	2.0
N2012ZP501T10	500±25%	100	1.0
N3216ZP500T25	50±25%	60	2.5
N3216ZP121T25	120±25%	30	2.5
N3216ZP501T25	500±25%	60	2.5
N1608ZEP800T35	80±25%	20	3.5
N1608ZEP221T10	220±25%	100	1.0
N2012ZPS600T50	60±25%	20	5.0
N2012ZPS800T50	80±25%	20	5.0
N2012ZPS121T50	120±25%	20	5.0
N3216ZPS500T60	50±25%	10	6.0

*Operating temperature range(Including temperature rise): -55 to +60°C

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

CHIP BEADS [N-ZP · N-ZEP · ZPS Series]

Impedance vs. Frequency (Typ.)



EMI FILTERS