

# Multilayer Chip Inductors N-LB Series

## Features

- Available in standard EIA0603 size and fifteen different specifications.
- Suit both flow and reflow soldering.
- Tape and reel packaging conforms to EIA standards.

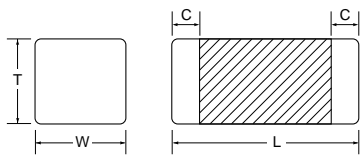
## Applications

- Mobile communication equipment such as mobile phones, PHS and pagers.

## Specifications

Model	Inductance ( $\mu$ H)	Q		L,Q test frequency (MHz)	Self-resonant frequency (MHz)		DC resistance (m $\Omega$ ) max.	Rated current (mA) max.
		min.	num.		Min.	nom.		
N2012LB47N□□	0.047	40	45	50	1020	1200	0.11	300
N2012LB68N□□	0.068	40	45	50	850	1000	0.12	250
N2012LB82N□□	0.082	40	45	50	810	950	0.12	250
N2012LBR10□□	0.10	30	35	25	765	900	0.14	250
N2012LBR12□□	0.12	30	35	25	640	750	0.14	250
N2012LBR15□□	0.15	30	35	25	510	600	0.15	250
N2012LBR18□□	0.18	30	35	25	425	500	0.20	250
N2012LBR22□□	0.22	30	35	25	340	400	0.21	250
N2012LBR27□□	0.27	30	35	25	255	320	0.24	250
N2012LBR33□□	0.33	30	35	25	240	280	0.24	250
N2012LBR39□□	0.39	30	35	25	215	250	0.26	250
N2012LBR47□□	0.47	30	35	25	190	210	0.27	250
N2012LBR56□□	0.56	30	35	25	155	180	0.36	250
N2012LBR68□□	0.68	30	35	25	135	160	0.38	150
N2012LBR82□□	0.82	25	30	25	120	140	0.44	150

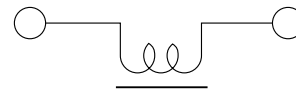
## Shapes



(mm)

Type	L	W	T	C
N2012LB	2.0 ± 0.2	1.25 ± 0.3	1.25 ± 0.3	0.2 min.

## Circuit Diagram

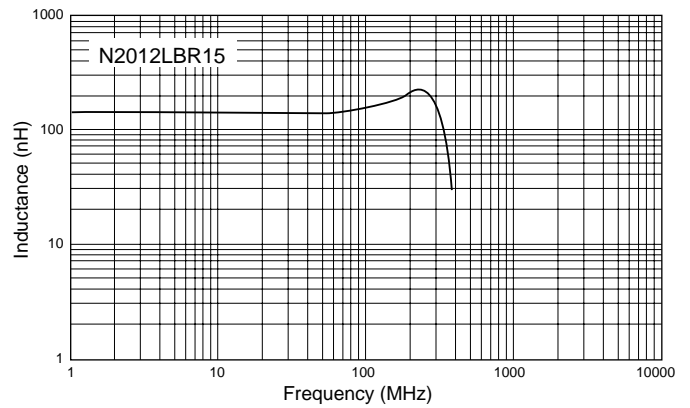
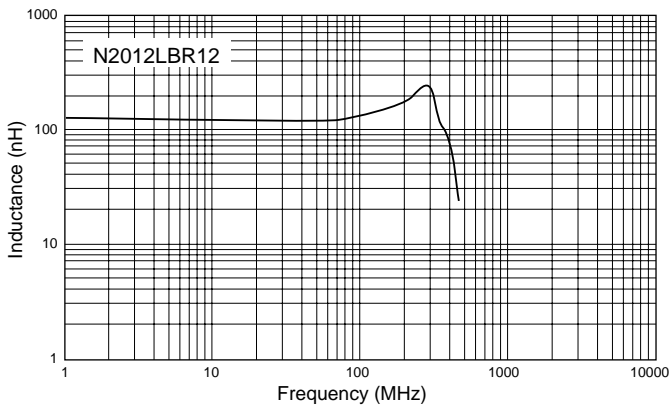
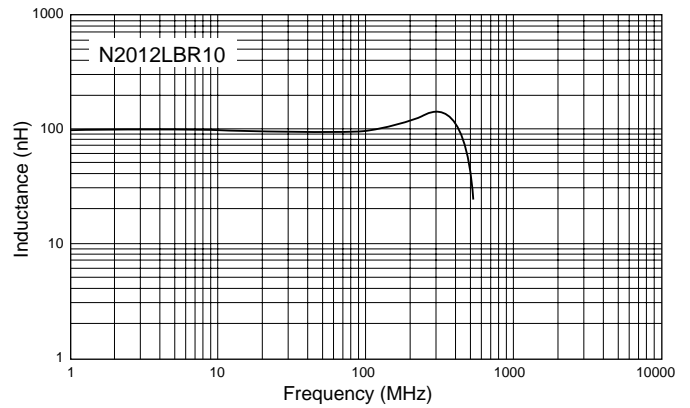
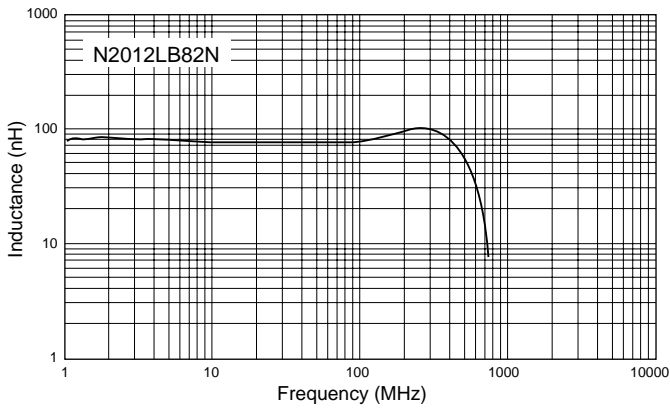
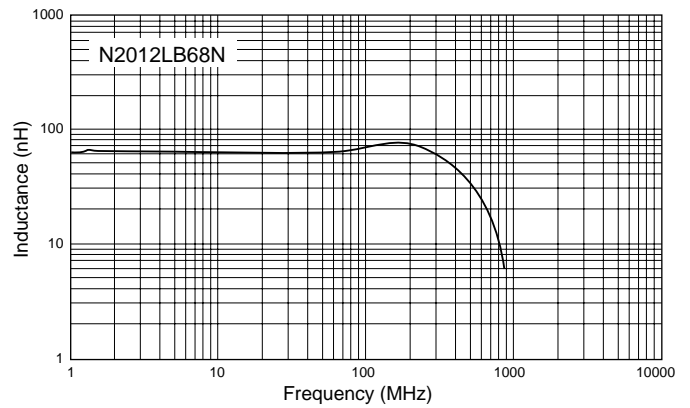
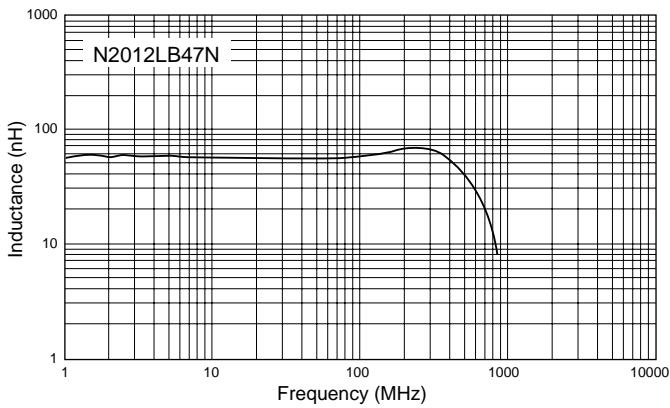


## SMD EMI filters

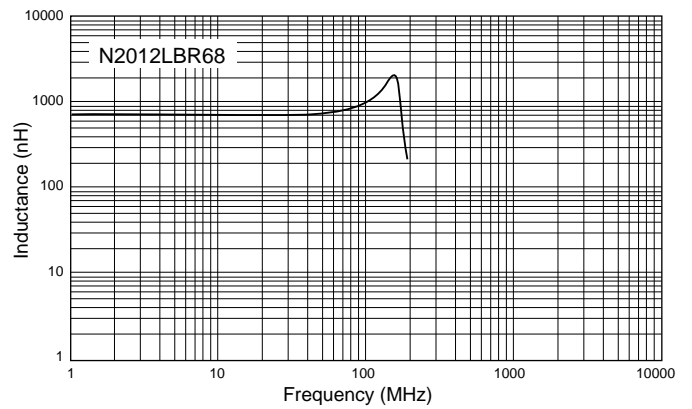
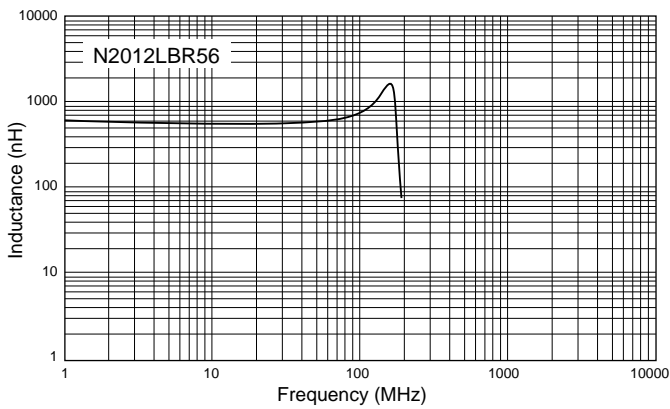
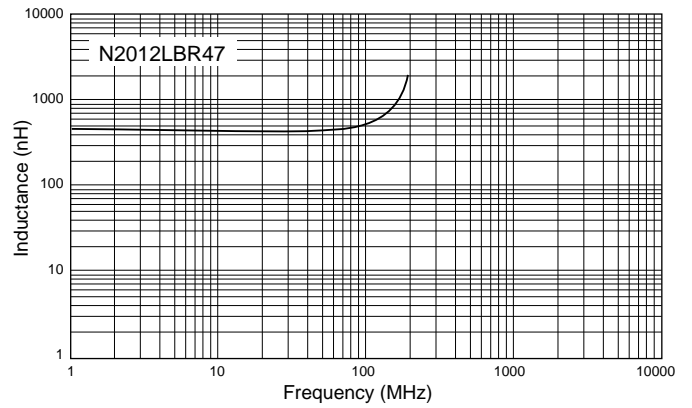
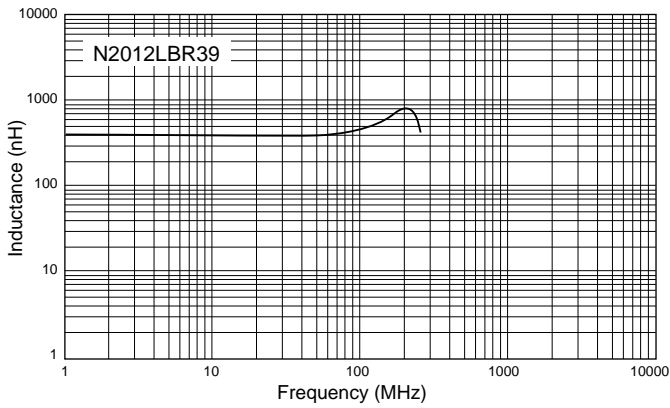
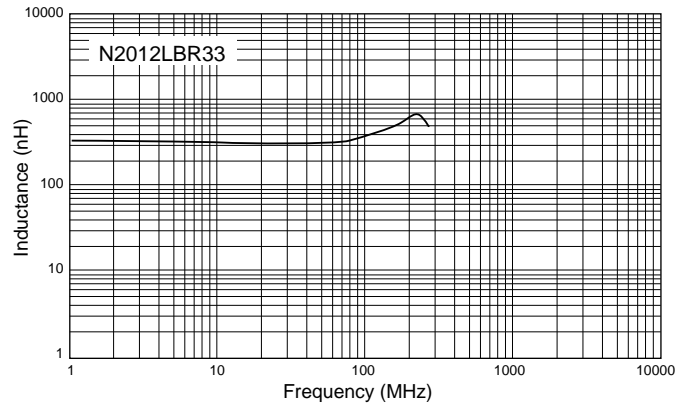
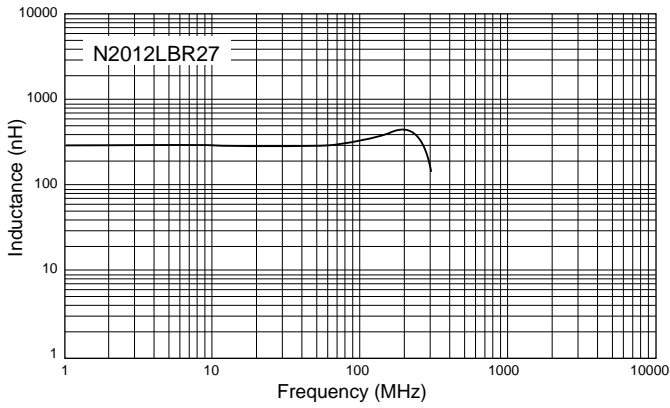
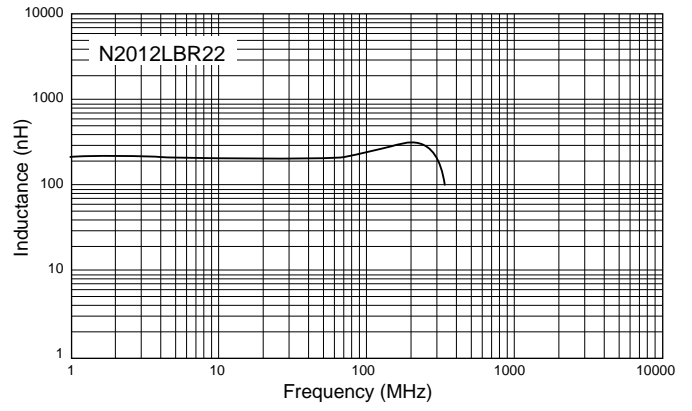
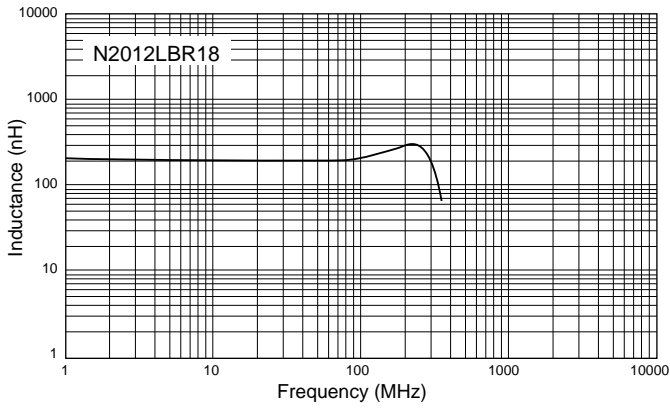
### Note

Operating temperature range	-25°C ~ +80°C
Storage temperature range (taping)	-5°C ~ +40°C
(bulk)	-25°C ~ +85°C
Reliability test	See pages 104 and 105.
Taping dimensions	Please order by referring to page 97 ~ 101.
Bulk dimensions	Please order by referring to page 102.
Cautions for use	See pages 103.

### Inductance Characteristics



# SMD EMI filters



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