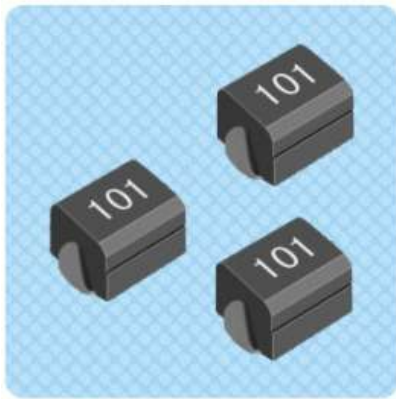


NL Series Chip Inductors



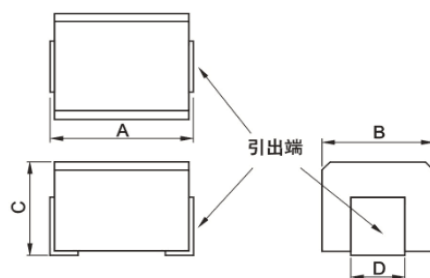
FEATURES

- Lead-free materials in used for the plating on the terminals.
- The product uses metal terminals, which realize excellent connection reliability.
- High resistance to heat, humidity, meachanical shocks and presser, accyrate dimensions for automatically surface mounted..
- The product has good heat durability that withstands lead-free compati ble reffow sldering conditions.

APPLICATIONS

- Communication, equipment and instrument..
- Video&Audio

SHAPE AND DIMENSIONS



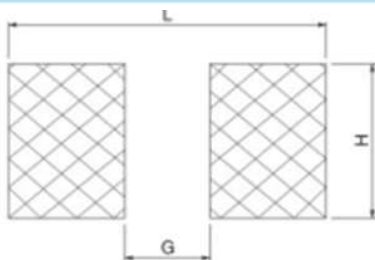
Part Number	Dimensions (mm)			
	A Max	B Max	C Max	D Max
NL322522	3.2 ± 0.50	2.5 ± 0.50	2.2 ± 0.50	1.2 ± 0.30
NL453232	4.5 ± 0.50	3.2 ± 0.50	3.2 ± 0.50	1.4 ± 0.30



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016697 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions (mm)		
	L	G	H
NL322522	4.40	1.50	3.40
NL453232	5.90	1.50	4.20

PRODUCT IDENTIFICATION

NL 322522 - 1R0 K C

① ② ③ ④ ⑤

- ① Series name
- ② Dimensions L×W×T
- ③ Inductance: R47-0.47uH 1R0-1.0uH 100-10uH 101-100uH
- ④ Tolerance: J:±5% K: ±10% M: ±20%
- ⑤ Terminal: C-Sn terminal

SPECIFICATIONS

● NL322522 TYPE

Part Number	Inductance (uH)	Tolerance	Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
NL322522-010□	0.010	K、M	15	100	2500	0.13	450
NL322522-012□	0.012		17		2300	0.14	450
NL322522-015□	0.015		19		2100	0.16	450
NL322522-018□	0.018		21		1900	0.18	450
NL322522-022□	0.022		23		1700	0.20	450
NL322522-027□	0.027		23		1500	0.22	450
NL322522-033□	0.033		25		1400	0.24	450
NL322522-039□	0.039		25		1300	0.27	450



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016697 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

Part Number	Inductance (uH)	Tolerance	Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)	
NL322522-047□	0.047	K、M	26	100	1200	0.30	450	
NL322522-056□	0.045		26		1100	0.33	450	
NL322522-068□	0.068		27		1000	0.36	450	
NL322522-082□	0.082		27		900	0.40	450	
NL322522-R10□	0.10		28		700	0.44	450	
NL322522-R12□	0.12		30		25.2	500	0.22	450
NL322522-R15□	0.15		30	450		0.25	450	
NL322522-R18□	0.18		30	400		0.28	450	
NL322522-R22□	0.22		30	350		0.32	450	
NL322522-R27□	0.27		30	320		0.36	450	
NL322522-R33□	0.33		30	300		0.40	450	
NL322522-R39□	0.39		30	250		0.45	450	
NL322522-R47□	0.47		30	220		0.50	450	
NL322522-R56□	0.56		30	180		0.55	450	
NL322522-R68□	0.68		30	160		0.60	450	
NL322522-R82□	0.82		30	140		0.65	450	
NL322522-1R0□	1.0		30	7.96		120	0.70	400
NL322522-1R2□	1.2		30			100	0.75	390
NL322522-1R5□	1.5		30			85	0.85	370
NL322522-1R8□	1.8		30			80	0.90	350
NL322522-2R2□	2.2		30		65	1.0	320	
NL322522-2R7□	2.7		30		65	1.1	290	
NL322522-3R3□	3.3		30		50	1.2	260	
NL322522-3R9□	3.9		30		45	1.3	250	
NL322522-4R7□	4.7		30		45	1.5	220	
NL322522-5R6□	5.6		30		40	1.6	200	
NL322522-6R8□	6.8		30		40	1.8	180	
NL322522-8R2□	8.2		30		35	2.0	170	
NL322522-100□	10		30		2.52	30	2.1	150
NL322522-120□	12		30			20	2.5	140
NL322522-150□	15		30			20	2.8	130



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016697 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

Part Number	Inductance (uH)	Tolerance	Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
NL322522-180□	18	K、M	30	2.52	20	3.3	120
NL322522-220□	22		30		20	3.7	110
NL322522-270□	27		30		20	5.0	80
NL322522-330□	33		30		17	5.6	70
NL322522-390□	39		30		16	6.4	650
NL322522-470□	47		30		15	7.0	60
NL322522-560□	56		30		13	8.0	55
NL322522-680□	68		30		12	9.0	50
NL322522-820□	82		30		10	10.0	45
NL322522-101□	100		20		9	10.0	40
NL322522-121□	120	20	9	13.0	70		
NL322522-151□	150	20	8	15.0	65		
NL322522-181□	180	20	7	17.0	60		
NL322522-221□	220	20	7	21.0	50		
NL322522-271□	270	20	6	28.0	45		
NL322522-331□	330	20	5	34.0	40		

Note: When ordering, please specify tolerance code. Tolerance: M: ±20%、N: ±30%;

1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current

● NL453232 TYPE

Part Number	Inductance (nH)	Tolerance	Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
NL453232-1R0□	1.0	K、M	50	7.96	100	0.50	450
NL453232-1R2□	1.2		50		80	0.55	430
NL453232-1R5□	1.5		50		70	0.60	410
NL453232-1R8□	1.8		50		60	0.65	390
NL453232-2R2□	2.2		50		55	0.70	380
NL453232-2R7□	2.7		50		50	0.75	370
NL453232-3R3□	3.3		50		45	0.80	355
NL453232-3R9□	3.9		50		40	0.90	330
NL453232-4R7□	4.7		50		35	1.0	315
NL453232-5R6□	5.6		50		33	1.1	300



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016697 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

Part Number	Inductance (nH)	Tolerance	Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
NL453232-6R8□	6.8	K、M	50	7.96	27	1.2	285
NL453232-8R2□	8.2		50		25	1.4	270
NL453232-100□	10		50		20	1.6	250
NL453232-120□	12		50	18	2.0	225	
NL453232-150□	15		50	17	2.5	200	
NL453232-180□	18		50	15	2.8	190	
NL453232-220□	22		50	13	3.2	180	
NL453232-270□	27		50	12	3.6	170	
NL453232-330□	33		50	11	4.0	160	
NL453232-390□	39		50	10	4.5	150	
NL453232-470□	47		50	10	5.0	140	
NL453232-560□	56		50	9	5.5	135	
NL453232-680□	68		50	9	6	130	
NL453232-820□	82		50	8	7	120	
NL453232-101□	100		40	8	8	110	
NL453232-121□	120		40	6	8	110	
NL453232-151□	150		40	5	9	105	
NL453232-181□	180		40	5	9.5	102	
NL453232-221□	220		40	4	10	100	
NL453232-271□	270		40	4	12	92	
NL453232-331□	330		40	4	14	85	
NL453232-391□	390		40	3	16	80	
NL453232-471□	470		40	3	26	62	
NL453232-561□	560		30	3	30	50	
NL453232-681□	680		30	3	30	50	
NL453232-821□	820		30	2.5	35	30	
NL453232-102□	1000		20	2.5	40	30	

Note: When ordering, please specify tolerance code. Tolerance: M: ±20%、N: ±30%;

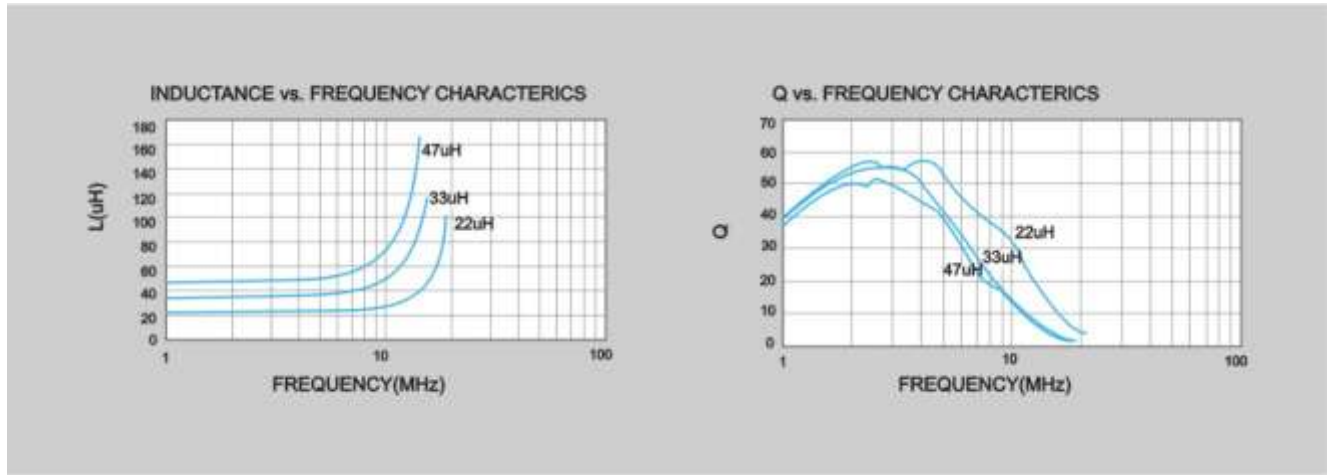
1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016697 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

● NL322522



● NL453232

