



Chilisin Electronics Singapore Pte Ltd

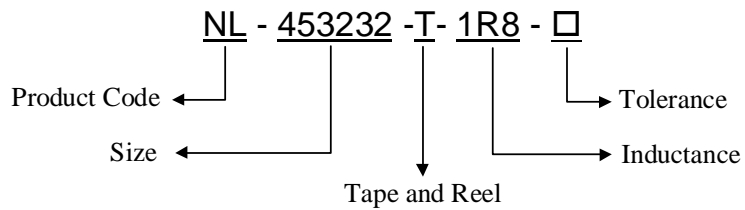
SMD Wire Wound Inductors, NL Series



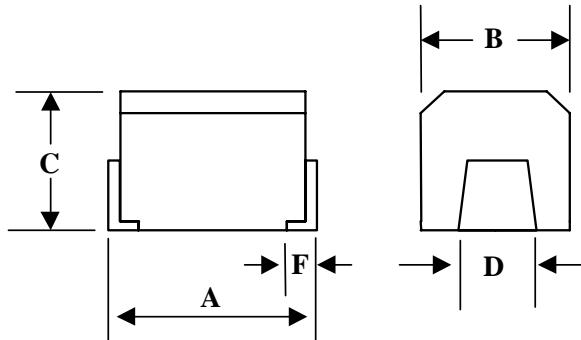
Feature:

These wire wound Inductors offers highly reliable for automatic mounting. Which are specially designs for Electronics products, Which are compact and highly dense with component. It's has a full range for application in Computers, DVD, Hard disk, CD ROM, Wireless Telephone and related product.

Ordering Code:



Dimension in mm:



Type	A	B	C	D	F
NL-322522 - T - □□□ - □	3.2±0.3	2.5±0.2	2.2±0.2	1.0±0.3	0.6
NL-453232 - T - □□□ - □	4.5±0.3	3.2±0.2	3.2±0.2	1.2±0.3	0.6

Electrical:

Part Number	Inductance	Current
NL-322522 - Series	0.1µH to 220µH	450mA to 50mA
NL-453232 - Series	0.1µH to 1000µH	450mA to 30mA

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance μH	Q min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
NL-322522-T-R10M	$0.10 \pm 20\%$	28	25.2	450	0.25	450
NL-322522-T-R22M	$0.22 \pm 20\%$	30	25.2	350	0.32	450
NL-322522-T-R33M	$0.33 \pm 20\%$	30	25.2	300	0.40	450
NL-322522-T-R39M	$0.33 \pm 20\%$	30	25.2	250	0.45	450
NL-322522-T-R47M	$0.47 \pm 20\%$	30	25.2	200	0.50	450
NL-322522-T-R56M	$0.56 \pm 20\%$	30	25.2	180	0.55	440
NL-322522-T-R68M	$0.68 \pm 20\%$	30	25.2	160	0.60	430
NL-322522-T-R82M	$0.82 \pm 20\%$	30	25.2	140	0.65	420
NL-322522-T-1R0 □	$1.0 \pm 20\% \pm 10\%$	30	7.960	120	0.70	400
NL-322522-T-1R2 □	$1.2 \pm 20\% \pm 10\%$	30	7.960	100	0.75	390
NL-322522-T-1R5 □	$1.5 \pm 20\% \pm 10\%$	30	7.960	85	0.85	370
NL-322522-T-1R8 □	$1.8 \pm 20\% \pm 10\%$	30	7.960	80	0.90	350
NL-322522-T-2R2 □	$2.2 \pm 20\% \pm 10\%$	30	7.960	75	1.00	320
NL-322522-T-2R7 □	$2.7 \pm 20\% \pm 10\%$	30	7.960	70	1.10	290
NL-322522-T-3R3 □	$3.3 \pm 20\% \pm 10\%$	30	7.960	60	1.20	260
NL-322522-T-3R9 □	$3.9 \pm 20\% \pm 10\%$	30	7.960	55	1.30	250
NL-322522-T-4R7 □	$4.7 \pm 20\% \pm 10\%$	30	7.960	50	1.50	220
NL-322522-T-5R6 □	$5.6 \pm 20\% \pm 10\%$	30	7.960	47	1.60	200
NL-322522-T-6R8 □	$6.8 \pm 20\% \pm 10\%$	30	7.960	43	1.80	180
NL-322522-T-8R2 □	$8.2 \pm 20\% \pm 10\%$	30	7.960	40	2.00	170
NL-322522-T-100 □	$10.0 \pm 20\% \pm 10\%$	30	2.52	36	2.10	150
NL-322522-T-120 □	$12.0 \pm 20\% \pm 10\%$	30	2.52	33	2.50	140
NL-322522-T-150 □	$15.0 \pm 20\% \pm 10\%$	30	2.52	30	2.80	130
NL-322522-T-180 □	$18.0 \pm 20\% \pm 10\%$	30	2.52	27	3.30	120
NL-322522-T-220 □	$22.0 \pm 20\% \pm 10\%$	30	2.52	25	3.70	110
NL-322522-T-270 □	$27.0 \pm 20\% \pm 10\%$	30	2.52	20	5.00	80
NL-322522-T-330 □	$33.0 \pm 20\% \pm 10\%$	30	2.52	17	5.60	70
NL-322522-T-390 □	$39.0 \pm 20\% \pm 10\%$	30	2.52	16	6.40	65
NL-322522-T-470 □	$47.0 \pm 20\% \pm 10\%$	30	2.52	15	7.00	60
NL-322522-T-560 □	$56.0 \pm 20\% \pm 10\%$	30	2.52	13	8.00	55
NL-322522-T-680 □	$68.0 \pm 20\% \pm 10\%$	30	2.52	12	9.00	50
NL-322522-T-820 □	$82.0 \pm 20\% \pm 10\%$	30	2.52	11	10.0	45
NL-322522-T-101 □	$100.0 \pm 20\% \pm 10\%$	20	0.796	10	10.0	40
NL-322522-T-121 □	$120.0 \pm 20\% \pm 10\%$	20	0.796	10	11.0	70
NL-322522-T-151 □	$150.0 \pm 20\% \pm 10\%$	20	0.796	8	15.0	65
NL-322522-T-181 □	$180.0 \pm 20\% \pm 10\%$	20	0.796	7	17.0	60
NL-322522-T-221 □	$220.0 \pm 20\% \pm 10\%$	20	0.796	7	21.0	50

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M = $\pm 20\%$, K = $\pm 10\%$, J = $\pm 5\%$

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ELECTRICAL CHARACTERISTICS

Part Number	Inductance μH	Q Min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
NL-453232-T-R10M	$0.10 \pm 20\%$	30	25.2	700	0.20	450
NL-453232-T-R12M	$0.12 \pm 20\%$	30	25.2	500	0.22	450
NL-453232-T-R15M	$0.15 \pm 20\%$	30	25.2	450	0.25	450
NL-453232-T-R18M	$0.18 \pm 20\%$	30	25.2	400	0.28	450
NL-453232-T-R22M	$0.22 \pm 20\%$	30	25.2	350	0.32	450
NL-453232-T-R27M	$0.27 \pm 20\%$	30	25.2	320	0.36	450
NL-453232-T-R33M	$0.33 \pm 20\%$	30	25.2	300	0.40	450
NL-453232-T-R39M	$0.39 \pm 20\%$	30	25.2	250	0.45	450
NL-453232-T-R47M	$0.47 \pm 20\%$	30	25.2	200	0.50	450
NL-453232-T-R56M	$0.56 \pm 20\%$	30	25.2	180	0.55	450
NL-453232-T-R68M	$0.68 \pm 20\%$	30	25.2	160	0.60	450
NL-453232-T-R82M	$0.82 \pm 20\%$	30	25.2	140	0.67	450
NL-453232-T-1R0 □	$1.0 \pm 20\% \pm 10\%$	50	7.960	100	0.50	450
NL-453232-T-1R2 □	$1.2 \pm 20\% \pm 10\%$	50	7.960	80	0.55	430
NL-453232-T-1R5 □	$1.5 \pm 20\% \pm 10\%$	50	7.960	70	0.60	410
NL-453232-T-1R8 □	$1.8 \pm 20\% \pm 10\%$	50	7.960	60	0.65	390
NL-453232-T-2R2 □	$2.2 \pm 20\% \pm 10\%$	50	7.960	55	0.70	380
NL-453232-T-2R7 □	$2.7 \pm 20\% \pm 10\%$	50	7.960	50	0.75	370
NL-453232-T-3R3 □	$3.3 \pm 20\% \pm 10\%$	50	7.960	45	0.80	355
NL-453232-T-3R9 □	$3.9 \pm 20\% \pm 10\%$	50	7.960	40	0.90	330
NL-453232-T-4R7 □	$4.7 \pm 20\% \pm 10\%$	50	7.960	35	1.00	315
NL-453232-T-5R6 □	$5.6 \pm 20\% \pm 10\%$	50	7.960	33	1.10	300
NL-453232-T-6R8 □	$6.8 \pm 20\% \pm 10\%$	50	7.960	27	1.20	285
NL-453232-T-8R2 □	$8.2 \pm 20\% \pm 10\%$	50	7.960	25	1.40	270

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Part Number	Inductance μH	Q Min	Test Freq. MHz	SRF MHz Min	DCR Ω Max	IDC mA Max
NL-453232-T-100 □	$10.0 \pm 20\% \pm 10\%$	50	2.52	20	1.60	250
NL-453232-T-120 □	$12.0 \pm 20\% \pm 10\%$	50	2.52	18	2.00	225
NL-453232-T-150 □	$15.0 \pm 20\% \pm 10\%$	50	2.52	17	2.50	200
NL-453232-T-180	$18.0 \pm 20\% \pm 10\%$	50	2.52	15	2.80	190
NL-453232-T-220 □	$22.0 \pm 20\% \pm 10\%$	50	2.52	13	3.20	180
NL-453232-T-270 □	$27.0 \pm 20\% \pm 10\%$	50	2.52	12	3.60	170
NL-453232-T-330 □	$33.0 \pm 20\% \pm 10\%$	50	2.52	11	4.00	160
NL-453232-T-390 □	$39.0 \pm 20\% \pm 10\%$	50	2.52	10	4.50	150
NL-453232-T-470 □	$47.0 \pm 20\% \pm 10\%$	50	2.52	10	5.00	140
NL-453232-T-560 □	$56.0 \pm 20\% \pm 10\%$	50	2.52	9	5.50	135
NL-453232-T-680 □	$68.0 \pm 20\% \pm 10\%$	50	2.52	9	6.00	130
NL-453232-T-820 □	$82.0 \pm 20\% \pm 10\%$	50	2.52	8	7.00	120
NL-453232-T-101 □	$100.0 \pm 20\% \pm 10\%$	40	0.796	7	8.00	110
NL-453232-T-121 □	$120.0 \pm 20\% \pm 10\%$	40	0.796	6	8.00	110
NL-453232-T-151 □	$150.0 \pm 20\% \pm 10\%$	40	0.796	5	9.00	105
NL-453232-T-181 □	$180.0 \pm 20\% \pm 10\%$	40	0.796	5	9.50	102
NL-453232-T-221 □	$220.0 \pm 20\% \pm 10\%$	40	0.796	4	12.0	100
NL-453232-T-271 □	$270.0 \pm 20\% \pm 10\%$	30	0.796	3	18.0	92
NL-453232-T-331 □	$330.0 \pm 20\% \pm 10\%$	30	0.796	3	20.0	85
NL-453232-T-391 □	$390.0 \pm 20\% \pm 10\%$	30	0.796	3	23.0	80
NL-453232-T-471 □	$470.0 \pm 20\% \pm 10\%$	30	0.796	3	26.0	62
NL-453232-T-561 □	$560.0 \pm 20\% \pm 10\%$	30	0.796	2	30.0	50
NL-453232-T-681 □	$680.0 \pm 20\% \pm 10\%$	30	0.796	2	40.0	50
NL-453232-T-821 □	$820.0 \pm 20\% \pm 10\%$	30	0.796	2	45.0	30
NL-453232-T-102 □	$1000 \pm 20\% \pm 10\%$	30	0.796	2	50.0	30

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