

SMD Wire Wound Ferrite Chip Inductors – NL 252018 Series

Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	Q Min	Test Frequency (MHz)	SRF Min (MHz)	Rdc Max ()	Idc Max (mA)	Color Coding		
									1 ST	2 ND	3 RD
NL252018T-5N0□	0.005	100	10	10	100	3000	0.25	2000	Black	Green	Black
NL252018T-10N□	0.010	100	10	10	100	2500	0.25	1800	Brown	Black	Black
NL252018T-12N□	0.012	100	10	15	100	2400	0.26	1700	Brown	Red	Black
NL252018T-15N□	0.015	100	10	15	100	2300	0.28	1600	Brown	Green	Black
NL252018T-18N□	0.018	100	10	15	100	2200	0.30	1550	Brown	Gray	Black
NL252018T-22N□	0.022	100	10 / 5	20	100	2100	0.35	1500	Red	Red	Black
NL252018T-27N□	0.027	100	10 / 5	20	100	2000	0.40	1450	Red	Violet	Black
NL252018T-33N□	0.033	100	10 / 5	30	100	1600	0.42	1400	Orange	Orange	Black
NL252018T-39N□	0.039	100	10 / 5	35	100	1500	0.45	1350	Orange	White	Black
NL252018T-47N□	0.047	100	10 / 5	35	100	1400	0.50	1300	Yellow	Violet	Black
NL252018T-56N□	0.056	100	10 / 5	35	100	1300	0.60	1250	Green	Blue	Black
NL252018T-68N□	0.068	100	10 / 5	35	100	1200	0.65	1240	Blue	Gray	Black
NL252018T-82N□	0.082	100	10 / 5	35	100	1100	0.75	1230	Gray	Red	Black
NL252018T-R10□	0.10	100	10 / 5	35	100	800	0.80	1220	Brown	Black	Brown
NL252018T-R12□	0.12	25.2	10 / 5	30	25.2	700	0.30	900	Brown	Red	Brown
NL252018T-R15□	0.15	25.2	10 / 5	30	25.2	550	0.35	900	Brown	Green	Brown
NL252018T-R18□	0.18	25.2	10 / 5	30	25.2	500	0.40	850	Brown	Gray	Brown
NL252018T-R22□	0.22	25.2	10 / 5	30	25.2	450	0.50	840	Red	Red	Brown
NL252018T-R27□	0.27	25.2	10 / 5	30	25.2	425	0.55	830	Red	Violet	Brown
NL252018T-R33□	0.33	25.2	10 / 5	30	25.2	400	0.60	820	Orange	Orange	Brown
NL252018T-R39□	0.39	25.2	10 / 5	30	25.2	375	0.65	810	Orange	White	Brown
NL252018T-R47□	0.47	25.2	10 / 5	30	25.2	350	0.68	800	Yellow	Violet	Brown
NL252018T-R56□	0.56	25.2	10 / 5	30	25.2	325	0.75	800	Green	Blue	Brown
NL252018T-R68□	0.68	25.2	10 / 5	30	25.2	300	0.85	800	Blue	Gray	Brown
NL252018T-R82□	0.82	25.2	10 / 5	30	25.2	260	1.0	800	Gray	Red	Brown
NL252018T-1R0□	1.0	7.96	10 / 5	25	7.96	245	1.1	800	Brown	Black	Red
NL252018T-1R2□	1.2	7.96	10 / 5	25	7.96	230	1.2	790	Brown	Red	Red
NL252018T-1R5□	1.5	7.96	10 / 5	25	7.96	182	1.3	750	Brown	Green	Red
NL252018T-1R8□	1.8	7.96	10 / 5	25	7.96	135	1.45	750	Brown	Gray	Red
NL252018T-2R2□	2.2	7.96	10 / 5	25	7.96	105	1.55	750	Red	Red	Red
NL252018T-2R7□	2.7	7.96	10 / 5	25	7.96	70	1.7	740	Red	Violet	Red
NL252018T-3R3□	3.3	7.96	10 / 5	25	7.96	55	1.9	730	Orange	Orange	Red
NL252018T-3R9□	3.9	7.96	10 / 5	25	7.96	48	2.1	700	Orange	White	Red
NL252018T-4R7□	4.7	7.96	10 / 5	25	7.96	43	2.3	650	Yellow	Violet	Red
NL252018T-5R6□	5.6	7.96	10 / 5	20	7.96	42	2.5	640	Green	Blue	Red
NL252018T-6R8□	6.8	7.96	10 / 5	20	7.96	39	2.7	630	Blue	Gray	Red
NL252018T-8R2□	8.2	7.96	10 / 5	20	7.96	36	3.05	600	Gray	Red	Red
NL252018T-100□	10	2.52	10 / 5	15	2.52	33	3.5	600	Brown	Black	Orange
NL252018T-120□	12	2.52	10 / 5	15	2.52	30	3.8	550	Brown	Red	Orange
NL252018T-150□	15	2.52	10 / 5	15	2.52	26	4.4	430	Brown	Green	Orange
NL252018T-180□	18	2.52	10 / 5	15	2.52	24	4.8	400	Brown	Gray	Orange
NL252018T-220□	22	2.52	10 / 5	15	2.52	22	5.5	400	Red	Red	Orange
NL252018T-270□	27	2.52	10 / 5	15	2.52	21	6.3	360	Red	Violet	Orange
NL252018T-330□	33	2.52	10 / 5	15	2.52	20	7.1	350	Orange	Orange	Orange
NL252018T-390□	39	2.52	10 / 5	10	2.52	18	9.5	330	Orange	White	Orange
NL252018T-470□	47	2.52	10 / 5	10	2.52	17	11.1	300	Yellow	Violet	Orange
NL252018T-560□	56	2.52	10 / 5	10	2.52	16	12.1	270	Green	Blue	Orange
NL252018T-680□	68	2.52	10 / 5	10	2.52	15	16.6	250	Blue	Gray	Orange
NL252018T-820□	82	2.52	10 / 5	10	2.52	13	19	200	Gray	Red	Orange
NL252018T-101□	100	0.796	10 / 5	8	0.796	12	21	120	Brown	Black	Yellow

- When ordering, please specify tolerance and packaging codes. Ex: NL252018T-R12J
- Tolerance : J = ±5%, K = ±10%
- Packaging : Clear tape and reel { standard }.
- L/Q : Agilent/HP4291A+ Agilent/HP16193A(Over 1MHz) or Agilent/HP4285A+ Agilent/HP16193A(Under 1MHz)
- SRF : Agilent/HP8753D / Agilent/HP4291A
- RDC : Digital Multimeter CH502BC HP4338B
- Idc for Inductance drop 10% from its value without current.
- Operating temperature range from -25 to 85 .