

NR Series

Features

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on Ferrite Core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI) .
- 35% high current rating than conventional inductors of equal size.
- Takes up less PCB real estate and save more power.
- Halogen Free.
- RoHS compliance.

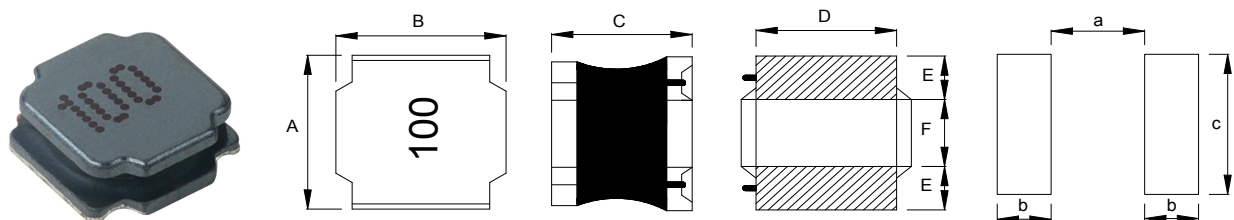
Applications

- LED Lighting.
- Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
- Flat-screen TVs,blue-ray disc recorders set top box.
- Notebooks,desktop computers,servers,graphic cards.
- Portable gaming devices,personal navigation systems,personal multimedia devices.

Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40℃ to +125℃.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate ΔT of 40℃.
- DC current(Isat)that will cause Lo to drop approximately 35%.

External Dimensions (Unit:mm)



TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
NR3010	3.0±0.2	3.0±0.2	1.1	2.5	0.9	1.2	0.9	1.2	2.8	2000
NR3012	3.0±0.2	3.0±0.2	1.25	2.9	0.9	1.2	0.9	1.2	3.1	2000
NR3015	3.0±0.2	3.0±0.2	1.7	2.55	0.9	1.2	0.9	1.2	3.1	2000
NR4010	4.0±0.2	4.0±0.2	1.1	3.5	1.2	1.6	1.2	1.5	3.8	4500
NR4012	4.0±0.2	4.0±0.2	1.3	3.5	1.2	1.6	1.3	1.5	3.8	4500
NR4018	4.0±0.2	4.0±0.2	1.8	3.5	1.2	1.6	1.2	1.5	3.8	3000
NR4020	4.0±0.2	4.0±0.2	2.0	3.5	1.2	1.6	1.2	1.5	3.8	3000
NR4026	4.0±0.2	4.0±0.2	2.6	3.5	1.2	1.6	1.2	1.5	3.8	3000
NR4030	4.0±0.2	4.0±0.2	3.0	3.5	1.35	1.3	1	1.65	3.8	2000
NR4035	4.0±0.2	4.0±0.2	3.5	3.3	0.95	2.1	1.9	1.1	3.7	2000
NR5012	5.0±0.2	5.0±0.2	1.3	4.0	1.5	2	1.7	1.8	4.3	4500
NR5020	5.0±0.2	5.0±0.2	2.0	4.0	1.35	2.3	2	1.65	4.3	2500

TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
NR5040	5.0±0.2	5.0±0.2	4.0	4	1.5	2	1.7	1.8	4.3	1500
NR5045	5.0±0.2	5.0±0.2	4.5	4	1.5	2	1.7	1.8	4.3	1500
NR6010	6.0±0.3	6.0±0.3	1.1	4.9	1.65	2.7	2.4	1.95	5.2	2500
NR6012	6.0±0.3	6.0±0.3	1.3	4.9	1.65	2.7	2.4	1.95	5.2	2500
NR6020	6.0±0.3	6.0±0.3	2.0	4.9	1.65	2.7	2.4	1.95	5.2	2500
NR6028	6.0±0.3	6.0±0.3	2.8	4.9	1.65	2.7	2.4	1.95	5.2	2000
NR6040	6.0±0.3	6.0±0.3	4.0	4.9	1.65	2.7	2.4	1.95	5.2	2000
NR6045	6.0±0.3	6.0±0.3	4.7	4.9	1.65	2.7	2.4	1.95	5.2	1500
NR6055	6.0±0.3	6.0±0.3	5.7	4.9	1.65	2.7	2.4	1.95	5.2	1000
NR8040	8.0±0.3	8.0±0.3	4.2	6.3	2.45	3.1	2.8	2.75	6.6	1000
NR8060	8.0±0.3	8.0±0.3	6.0	6.3	2.45	3.1	2.8	2.75	6.6	700
NR8065	8.0±0.3	8.0±0.3	6.8	6.3	2.45	3.1	2.8	2.75	6.6	700

2. Part Number Code

NR	3015	M	100	A
Series Name	Dimensions: L*W*H	Tolerance M:20% N:30%	Inductance	Internal controls

NR Series

Part Number	Inductance (μH) @100KHz/1V	DC Resistance (Ω) ±30%.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR3010M1R0A	1	0.063	180	1.49	1.44
NR3010M1R2A	1.2	0.065	137	1.45	1.25
NR3010M1R5A	1.5	0.077	120	1.34	1.31
NR3010M2R2A	2.2	0.106	100	1.12	1.18
NR3010M2R7A	2.7	0.125	90	1.05	1.03
NR3010M3R3A	3.3	0.139	74	0.99	1
NR3010M3R6A	3.6	0.159	67	0.93	0.98
NR3010M4R7A	4.7	0.216	59	0.79	0.77
NR3010M5R6A	5.6	0.248	40	0.7	0.58
NR3010M6R8A	6.8	0.293	42	0.68	0.57
NR3010M8R2A	8.2	0.4	23	0.58	0.55
NR3010M100A	10	0.385	39	0.6	0.57
NR3010M120A	12	0.486	36	0.54	0.44
NR3010M150A	15	0.587	30	0.48	0.43
NR3010M220A	22	0.896	28	0.39	0.36

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR3010M270A	27	1.04	25	0.36	0.31
NR3010M330A	33	1.493	18	0.31	0.3
NR3010M390A	39	1.685	18	0.29	0.29
NR3010M430A	43	1.733	18	0.28	0.24
NR3010M470A	47	1.878	18	0.27	0.23
NR3010M510A	51	2.119	18	0.26	0.22
NR3010M560A	56	2.234	16	0.25	0.22
NR3012NR82A	0.82	0.029	180	2.54	2.11
NR3012M1R0A	1	0.039	120	2.27	1.93
NR3012M1R2A	1.2	0.043	120	2.07	2.29
NR3012M1R5A	1.5	0.043	110	2.07	1.67
NR3012M1R8A	1.8	0.053	90	1.9	1.56
NR3012M2R2A	2.2	0.072	84	1.6	1.24
NR3012M2R4A	2.4	0.065	80	1.55	1.18
NR3012M2R7A	2.7	0.081	65	1.52	1.17
NR3012M3R3A	3.3	0.096	64	1.4	1.08
NR3012M3R6A	3.6	0.1	36	1.36	1.05
NR3012M3R9A	3.9	0.145	61	1.24	1
NR3012M4R7A	4.7	0.116	61	1.24	0.93
NR3012M6R8A	6.8	0.183	61	1.01	0.77
NR3012M100A	10	0.255	42	0.85	0.62
NR3012M120A	12	0.332	32	0.75	0.49
NR3012M150A	15	0.347	27	0.73	0.46
NR3012M180A	18	0.524	25	0.6	0.44
NR3012M220A	22	0.621	23	0.55	0.43
NR3012M270A	27	0.741	21	0.5	0.41
NR3012M330A	33	0.842	18	0.47	0.37
NR3012M360A	36	0.915	18	0.45	0.35
NR3012M390A	39	1.281	18	0.38	0.31
NR3012M470A	47	1.329	14	0.37	0.28
NR3012M560A	56	1.329	14	0.37	0.27
NR3012M620A	62	1.473	12	0.36	0.26
NR3012M680A	68	1.608	12	0.34	0.25
NR3012M820A	82	2.446	12	0.28	0.23

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR3012M101A	100	2.754	12	0.26	0.22
NR3015NR50A	0.5	0.03	162	2.6	3.9
NR3015NR68A	0.68	0.035	152	2.65	2.65
NR3015N1R0A	1	0.036	150	2.35	2.37
NR3015N1R2A	1.2	0.039	110	2.01	2.28
NR3015M1R5A	1.5	0.048	100	1.75	2.37
NR3015N1R8A	1.8	0.048	92	1.75	1.8
NR3015N2R2A	2.2	0.069	86	1.65	1.65
NR3015M2R7A	2.7	0.072	64	1.47	1.57
NR3015M3R3A	3.3	0.08	68	1.4	1.36
NR3015M3R6A	3.6	0.101	59	1.24	1.32
NR3015M3R9A	3.9	0.105	47	1.2	1.2
NR3015M4R3A	4.3	0.11	53	1.17	1.24
NR3015N4R7A	4.7	0.123	46	1.09	1.1
NR3015M6R2A	6.2	0.187	46	0.89	1.03
NR3015M6R8A	6.8	0.193	39	0.88	0.88
NR3015M100A	10	0.241	41	0.79	0.74
NR3015M120A	12	0.308	32	0.7	0.72
NR3015M150A	15	0.337	30	0.67	0.68
NR3015M180A	18	0.414	23	0.61	0.58
NR3015M220A	22	0.443	23	0.57	0.52
NR3015M270A	27	0.73	22	0.45	0.48
NR3015M330A	33	0.79	20	0.44	0.45
NR3015M390A	39	0.958	14	0.4	0.42
NR3015M430A	43	1.021	16	0.38	0.38
NR3015M470A	47	1.23	14	0.36	0.36
NR3015M560A	56	1.7	13	0.35	0.34
NR3015M620A	62	1.377	13	0.33	0.34
NR3015M680A	68	1.75	11	0.24	0.29
NR3015M101A	100	3.11	7.2	0.21	0.23
NR3015M151A	150	3.8	4.5	0.19	0.18
NR4010M1R0A	1	0.054	116	1.95	2.06
NR4010M1R5A	1.5	0.068	94	1.75	1.73
NR4010M2R2A	2.2	0.082	73	1.54	1.23

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR4010M3R3A	3.3	0.097	58	1.44	1.13
NR4010M4R7A	4.7	0.136	47	1.23	0.97
NR4010M6R8A	6.8	0.194	38	1.03	0.82
NR4010M100A	10	0.291	31	0.77	0.63
NR4010M150A	15	0.417	24	0.61	0.55
NR4010M220A	22	0.553	19	0.51	0.46
NR4012NR82A	0.82	0.048	150	1.7	3.64
NR4012M1R0A	1	0.05	120	1.65	2.61
NR4012M1R5A	1.5	0.062	90	1.5	2.16
NR4012M1R8A	1.8	0.077	88	1.36	2.54
NR4012M2R2A	2.2	0.077	74	1.36	1.81
NR4012M2R7A	2.7	0.087	71	1.29	1.96
NR4012M3R3A	3.3	0.108	60	1.15	1.72
NR4012M3R6A	3.6	0.106	57	1.15	1.24
NR4012M4R3A	4.3	0.135	54	1.03	1.8
NR4012M4R7A	4.7	0.12	50	1.08	1.18
NR4012M5R1A	5.1	0.149	50	0.98	1.25
NR4012M5R6A	5.6	0.14	42	1	1
NR4012M6R8A	6.8	0.19	40	0.87	0.98
NR4012M100A	10	0.255	33	0.79	0.82
NR4012M120A	12	0.279	32	0.72	0.68
NR4012M150A	15	0.327	25	0.66	0.58
NR4012M180A	18	0.453	23	0.57	0.57
NR4012M220A	22	0.453	20	0.57	0.56
NR4012M270A	27	0.693	18	0.46	0.52
NR4012M330A	33	0.78	17	0.43	0.43
NR4012M360A	36	0.867	14	0.41	0.41
NR4012M390A	39	1.059	16	0.38	0.57
NR4012M470A	47	1.059	12	0.38	0.36
NR4012M560A	56	1.204	11	0.34	0.34
NR4012M680A	68	1.406	11	0.32	0.31
NR4012M820A	82	2.061	11	0.27	0.29
NR4012M101A	100	2.128	9.4	0.26	0.26
NR4018NR47A	0.47	0.014	155	4	4.3

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR4018NR68A	0.68	0.02	128	3.3	4.9
NR4018M1R0A	1	0.024	80	2.06	4.9
NR4018M1R5A	1.5	0.03	65	1.8	3.35
NR4018M1R8A	1.8	0.04	54	2	3
NR4018M2R2A	2.2	0.043	52	2.2	3
NR4018M3R3A	3.3	0.067	44	1.27	2.52
NR4018M4R7A	4.7	0.087	34	1.24	2
NR4018M6R8A	6.8	0.11	29	1.09	1.49
NR4018M100A	10	0.173	24	0.87	1.34
NR4018M150A	15	0.241	19	0.67	0.97
NR4018M220A	22	0.347	16	0.61	0.82
NR4018M330A	33	0.51	12	0.5	0.67
NR4018M470A	47	0.626	10	0.43	0.59
NR4018M680A	68	0.963	8.3	0.33	0.48
NR4018M101A	100	1.685	6.5	0.26	0.41
NR4018M151A	150	2.407	5.5	0.23	0.32
NR4018M221A	220	3.852	4	0.18	0.28
NR4020NR47A	0.47	0.022	160	3.3	7
NR4020NR68A	0.68	0.028	120	2.8	6.4
NR4020M1R0A	1	0.027	75	2.21	5
NR4020M1R2A	1.2	0.027	72	2.21	5.25
NR4020M1R5A	1.5	0.035	71	2.04	4.45
NR4020M2R2A	2.2	0.039	49	1.91	3.5
NR4020M3R3A	3.3	0.067	44	1.44	3.3
NR4020M3R6A	3.6	0.053	49	1.59	2.88
NR4020M4R7A	4.7	0.072	42	1.38	2.42
NR4020M5R1A	5.1	0.081	42	1.31	2.37
NR4020M5R6A	5.6	0.087	30	1.26	2.27
NR4020M6R2A	6.2	0.11	36	1.11	2.21
NR4020M6R8A	6.8	0.125	33	1.07	2.2
NR4020M7R5A	7.5	0.11	30	1.11	1.91
NR4020M8R2A	8.2	0.12	27	1.07	1.8
NR4020M100A	10	0.165	26	0.93	1.65
NR4020M120A	12	0.168	26	0.91	1.55

NR Series

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NR4020M150A	15	0.221	24	0.79	1.39
NR4020M220A	22	0.337	15	0.64	1.08
NR4020M270A	27	0.524	14	0.52	1.05
NR4020M330A	33	0.53	11	0.5	0.88
NR4020M390A	39	0.626	11	0.47	0.84
NR4020M430A	43	0.636	10	0.46	0.79
NR4020M470A	47	0.684	10	0.45	0.76
NR4020M510A	51	0.722	10	0.43	0.72
NR4020M560A	56	0.77	10	0.42	0.68
NR4020M620A	62	0.867	9.6	0.4	0.67
NR4020M680A	68	1.06	7.7	0.36	0.61
NR4020M750A	75	1.16	7.7	0.35	0.7
NR4020M820A	82	1.17	7.2	0.34	0.5
NR4020M101A	100	1.55	6.3	0.31	0.48
NR4026M1R0A	1	0.023	151	3.09	3.39
NR4026M1R2A	1.2	0.029	120	2.36	3.19
NR4026M1R5A	1.5	0.039	100	2.36	2.47
NR4026M2R2A	2.2	0.039	96	2.06	2.16
NR4026M3R3A	3.3	0.048	58	1.75	1.85
NR4026M4R7A	4.7	0.053	46	1.64	1.49
NR4026M6R8A	6.8	0.063	33	1.54	1.33
NR4026M100A	10	0.082	26	1.33	1.03
NR4026M150A	15	0.107	19	1.13	0.92
NR4026M220A	22	0.16	13	0.92	0.62
NR4026M330A	33	0.262	9	0.72	0.56
NR4026M470A	47	0.291	6	0.67	0.41
NR4030NR47A	0.47	0.017	184	5.2	7.8
NR4030NR68A	0.68	0.016	130	4.56	6.8
NR4030NR91A	0.91	0.021	100	3.24	6.44
NR4030M1R0A	1	0.018	70	4.15	5.26
NR4030M1R2A	1.2	0.024	80	3.05	5.97
NR4030M1R5A	1.5	0.029	62	3.01	4.99
NR4030M1R8A	1.8	0.029	60	3.01	5.56
NR4030M2R2A	2.2	0.033	52	2.65	4.9

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NR4030M3R3A	3.3	0.039	38	2.47	3.4
NR4030M3R6A	3.6	0.04	37	2.4	3
NR4030M3R9A	3.9	0.057	32	2.1	3
NR4030M4R3A	4.3	0.053	37	2.16	3.04
NR4030M4R7A	4.7	0.058	31	2.06	2.99
NR4030M5R6A	5.6	0.065	30	2.01	2.45
NR4030M6R2A	6.2	0.067	29	1.91	2.58
NR4030M6R8A	6.8	0.087	24	1.65	2.83
NR4030M7R5A	7.5	0.081	26	1.7	2.27
NR4030M8R2A	8.2	0.087	26	1.65	2.16
NR4030M9R1A	9.1	0.091	23	1.6	2.06
NR4030M100A	10	0.1	21	1.55	2.01
NR4030M120A	12	0.13	18	1.34	1.75
NR4030M150A	15	0.19	16	1.14	1.7
NR4030M180A	18	0.193	10	1.13	1.44
NR4030M220A	22	0.225	10	1.03	1.34
NR4030M330A	33	0.318	10	0.84	1.13
NR4030M360A	36	0.322	9.8	0.85	1.08
NR4030M390A	39	0.419	10	0.75	1.06
NR4030M430A	43	0.424	9.2	0.75	1.03
NR4030M470A	47	0.428	8.4	0.74	0.98
NR4030M510A	51	0.453	8.4	0.72	0.93
NR4030M560A	56	0.534	8.4	0.67	0.88
NR4030M620A	62	0.798	7	0.55	0.82
NR4030M680A	68	0.836	7	0.54	0.77
NR4030M750A	75	0.982	6.3	0.49	0.72
NR4030M820A	82	1.021	5.6	0.48	0.68
NR4030M910A	91	1.059	5.6	0.47	0.67
NR4030M101A	100	1.107	5.6	0.46	0.62
NR4030M121A	120	1.3	5.4	0.43	0.57
NR4030M151A	150	1.8	4	0.3	0.5
NR4030M471A	470	7.2	2	0.2	0.3
NR4030M501A	500	6.944	2	0.15	0.28
NR4030M681A	680	9.24	1.2	0.14	0.19

NR Series

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NR4035NR47A	0.47	0.008	176	5.2	7.8
NR4035NR68A	0.68	0.01	132	4.56	6.8
NR4035M1R0A	1	0.018	76	3.9	6.39
NR4035M1R2A	1.2	0.021	70	3.65	6.14
NR4035M1R5A	1.5	0.024	62	3.34	5.53
NR4035M1R8A	1.8	0.026	52	3.2	4.6
NR4035M2R2A	2.2	0.03	52	3.04	4.41
NR4035M3R3A	3.3	0.044	38	2.53	3.55
NR4035M4R7A	4.7	0.062	31	2.13	3.04
NR4035M6R8A	6.8	0.083	24	1.92	2.53
NR4035M8R2A	8.2	0.082	26	1.82	2.13
NR4035M100A	10	0.106	21	1.57	2.08
NR4035M150A	15	0.175	16	1.26	1.67
NR4035M220A	22	0.22	10	1.11	1.32
NR4035M330A	33	0.32	10	0.91	1.11
NR4035M470A	47	0.45	8.4	0.76	0.96
NR4035M680A	68	0.833	7	0.55	0.76
NR4035M101A	100	1.055	5.6	0.45	0.66
NR4035M151A	150	1.74	4	0.35	0.55
NR5012M1R0A	1	0.055	103	2.06	4.53
NR5012M1R5A	1.5	0.07	68	1.95	3.81
NR5012M2R2A	2.2	0.087	50	1.75	3.19
NR5012M3R3A	3.3	0.122	34	1.44	2.47
NR5012M4R7A	4.7	0.159	31	1.33	2.26
NR5012M6R8A	6.8	0.238	22	1.03	1.75
NR5012M100A	10	0.333	17	0.87	1.44
NR5012M150A	15	0.422	13	0.82	1.23
NR5012M220A	22	0.757	16	0.61	0.9
NR5020NR47A	0.47	0.013	160	4.6	6.15
NR5020NR56A	0.56	0.017	137	3.8	8.5
NR5020NR68A	0.68	0.017	120	4	5.5
NR5020NR75A	0.75	0.017	117	4	5.5
NR5020M1R0A	1	0.02	97	3.81	4.46
NR5020M1R2A	1.2	0.022	83	3.55	4.5

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR5020N1R5A	1.5	0.026	80	3.3	3.97
NR5020M2R2A	2.2	0.033	61	2.99	3.97
NR5020M2R7A	2.7	0.038	52	2.7	2.9
NR5020M3R0A	3	0.038	49	2.7	2.55
NR5020M3R3A	3.3	0.042	46	2.47	3.25
NR5020M3R6A	3.6	0.043	43	2.5	2.8
NR5020M3R9A	3.9	0.043	40	2.5	2.3
NR5020M4R3A	4.3	0.057	37	2.2	2.5
NR5020M4R7A	4.7	0.057	33	2.2	2.5
NR5020M5R1A	5.1	0.064	32	2.05	2.25
NR5020M5R6A	5.6	0.064	32	2.05	2.3
NR5020M6R8A	6.8	0.084	30	1.75	1.85
NR5020M7R5A	7.5	0.09	26	1.75	1.85
NR5020M8R2A	8.2	0.098	26	1.65	1.85
NR5020M9R1A	9.1	0.11	24	1.55	1.7
NR5020M100A	10	0.106	24	1.55	1.79
NR5020M120A	12	0.14	22	1.4	1.5
NR5020M150A	15	0.159	20	1.29	1.48
NR5020M180A	18	0.2	16	1.15	1.25
NR5020M220A	22	0.226	16	1.08	1.15
NR5020M330A	33	0.356	13	0.85	1
NR5020M470A	47	0.505	11	0.72	0.83
NR5020M560A	56	0.63	6	0.7	0.77
NR5020M680A	68	0.852	8.8	0.55	0.72
NR5020M820A	82	0.89	6	0.5	0.65
NR5020M101A	100	1.021	6	0.5	0.59
NR5020M121A	120	1.35	6	0.4	0.42
NR5020M201A	200	2	4.5	0.4	0.3
NR5040NR47A	0.47	0.007	171	6.6	10
NR5040M1R0A	1	0.012	117	4.9	7.35
NR5040M1R2A	1.2	0.016	110	4.15	6.5
NR5040M1R5A	1.5	0.015	60	4.58	6.3
NR5040M1R8A	1.8	0.016	55	4.15	5.5
NR5040M2R2A	2.2	0.019	42	4.07	4.9

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR5040M2R7A	2.7	0.022	37	3.6	4.3
NR5040M3R0A	3	0.022	37	3.6	4.15
NR5040M3R3A	3.3	0.024	32	3.4	3.95
NR5040M3R6A	3.6	0.026	30	3.3	3.8
NR5040M3R9A	3.9	0.027	29	3.2	3.55
NR5040M4R7A	4.7	0.03	28	3.19	3.5
NR5040M5R6A	5.6	0.035	27	2.8	3
NR5040M6R8A	6.8	0.041	21	2.5	2.9
NR5040M8R2A	8.2	0.048	20	2.3	2.7
NR5040M100A	10	0.06	18	2.16	2.35
NR5040M120A	12	0.077	14	2	2.2
NR5040M150A	15	0.085	13	2	2.37
NR5040M180A	18	0.119	12	1.45	1.7
NR5040M220A	22	0.129	9	1.5	1.6
NR5040M270A	27	0.188	9.8	1.1	1.52
NR5040M330A	33	0.184	7	1.2	1.3
NR5040M470A	47	0.272	6	1	1.1
NR5040M510A	51	0.38	6	1	1
NR5040M560A	56	0.38	6	0.8	1.05
NR5040M680A	68	0.4	6	0.8	0.9
NR5040M750A	75	0.45	6	0.72	0.85
NR5040M101A	100	0.56	5	0.7	0.75
NR5040M151A	150	0.75	3.7	0.6	0.65
NR5040M221A	220	1.8	3	0.4	0.48
NR5040M301A	300	2	2.7	0.35	0.5
NR5040M331A	330	2.1	2.7	0.4	0.42
NR5040M471A	470	3	2.7	0.35	0.37
NR5040M561A	560	3.78	1.52	0.25	0.26
NR5040M681A	680	3.9	1.6	0.25	0.3
NR5045N1R5A	1.5	0.017	78	5.2	7.4
NR5045M2R2A	2.2	0.022	50	4.7	6.4
NR5045M3R3A	3.3	0.027	36	4.2	6.4
NR5045M100A	10	0.061	17	2.5	3.2
NR5045M220A	22	0.125	10	1.55	2

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR6010M1R5A	1.5	0.087	91	1.95	2.47
NR6010M2R2A	2.2	0.107	64	1.75	1.95
NR6010M3R3A	3.3	0.131	51	1.54	1.64
NR6010M4R7A	4.7	0.16	42	1.44	1.33
NR6010M6R8A	6.8	0.213	30	1.23	1.23
NR6010M100A	10	0.261	25	1.13	1.03
NR6010M220A	22	0.563	12	0.72	0.66
NR6012N1R0A	1	0.054	80	2.36	3.62
NR6012N1R5A	1.5	0.073	65	2.06	2.81
NR6012N2R5A	2.5	0.087	45	1.85	2.16
NR6012N3R3A	3.3	0.102	42	1.75	1.85
NR6012N4R7A	4.7	0.121	36	1.59	1.64
NR6012N5R3A	5.3	0.121	34	1.59	1.54
NR6012N6R8A	6.8	0.16	30	1.39	1.33
NR6012M100A	10	0.194	22	1.23	1.03
NR6012M150A	15	0.286	18	0.82	0.82
NR6012M220A	22	0.451	12	0.66	0.78
NR6012M330A	33	0.563	8	0.56	0.6
NR6012M470A	47	0.786	6	0.47	0.53
NR6012M680A	68	1.125	3	0.42	0.45
NR6012M101A	100	1.62	1	0.33	0.36
NR6020NR50A	0.5	0.012	130	4.17	5.05
NR6020NR68A	0.68	0.016	120	3.91	7.73
NR6020NR82A	0.82	0.016	110	3.91	6.8
NR6020M1R0A	1	0.019	94	3.35	4.27
NR6020M1R2A	1.2	0.021	88	3.3	6.08
NR6020M1R5A	1.5	0.021	79	3.3	4.38
NR6020M1R8A	1.8	0.027	68	2.83	5
NR6020M2R0A	2	0.033	64	2.52	4.43
NR6020M2R2A	2.2	0.027	61	2.83	3.86
NR6020M2R7A	2.7	0.033	56	2.68	4.02
NR6020M3R3A	3.3	0.033	51	2.68	3.24
NR6020M3R9A	3.9	0.047	46	2.16	3.35
NR6020M4R3A	4.3	0.047	44	2.16	2.78

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR6020M4R7A	4.7	0.056	41	2.06	3.09
NR6020M5R6A	5.6	0.056	36	1.96	2.47
NR6020M6R2A	6.2	0.076	35	1.85	2.37
NR6020M6R8A	6.8	0.076	31	1.85	2.27
NR6020M8R2A	8.2	0.101	28	1.44	2.16
NR6020M100A	10	0.101	27	1.44	1.8
NR6020M120A	12	0.116	23	1.39	1.75
NR6020M150A	15	0.139	21	1.24	1.55
NR6020M180A	18	0.168	19	1.13	1.27
NR6020M220A	22	0.196	16	1.03	1.29
NR6020M330A	33	0.3	11	0.84	0.95
NR6020M470A	47	0.43	10	0.8	0.7
NR6028NR82A	0.82	0.012	97	5.2	6.5
NR6028M1R0A	1	0.01	70	5.2	5.75
NR6028M1R2A	1.2	0.013	69	4.58	6.4
NR6028M1R5A	1.5	0.012	65	4.72	6.18
NR6028M2R2A	2.2	0.018	56	4.21	5.25
NR6028M2R7A	2.7	0.019	48	3.86	3.91
NR6028M3R3A	3.3	0.024	41	3.58	3.74
NR6028M4R7A	4.7	0.029	35	3.17	3.09
NR6028M5R1A	5.1	0.033	33	2.98	3.66
NR6028M6R2A	6.2	0.039	30	2.66	3.14
NR6028M6R8A	6.8	0.045	27	2.47	2.94
NR6028M8R2A	8.2	0.068	24	2.32	2.68
NR6028M9R1A	9.1	0.058	24	2.21	2.63
NR6028M100A	10	0.069	23	2.01	2.1
NR6028M120A	12	0.077	18	1.91	1.85
NR6028M150A	15	0.12	18	1.49	1.8
NR6028M180A	18	0.116	15	1.49	1.57
NR6028M220A	22	0.135	14	1.44	1.65
NR6028M270A	27	0.149	13	1.36	1.55
NR6028M330A	33	0.2	12	1.26	1.39
NR6028M360A	36	0.207	11	1.16	1.29
NR6028M390A	39	0.216	11	1.13	1.29

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR6028M430A	43	0.226	11	1.1	1.24
NR6028M470A	47	0.315	9.5	1.09	1.18
NR6028M510A	51	0.255	9.5	1.04	1.08
NR6028M560A	56	0.345	8.2	0.89	1.05
NR6028M620A	62	0.332	7.7	0.92	0.98
NR6028M680A	68	0.347	7.7	0.89	0.98
NR6028M750A	75	0.395	7.7	0.83	0.93
NR6028M820A	82	0.428	7.7	0.8	0.93
NR6028M910A	91	0.486	7.7	0.75	0.82
NR6028M101A	100	0.524	7.1	0.72	0.77
NR6028M401A	400	2.16	2.8	0.4	0.3
NR6040M1R0A	1	0.0078	97	6.48	9.27
NR6040M100A	10	0.047	16	2.52	3.29
NR6040M120A	12	0.056	14	2.26	2.88
NR6040M150A	15	0.066	13	2.11	2.57
NR6040M220A	22	0.086	10	1.85	2.11
NR6040M330A	33	0.133	9.9	1.49	1.69
NR6040M560A	56	0.214	6.6	1.13	1.33
NR6040M680A	68	0.276	5.6	0.97	1.18
NR6040M471A	470	1.74	2	0.48	0.43
NR6045NR47A	0.47	0.006	155	6.5	15
NR6045NR56A	0.56	0.006	142	6.5	14
NR6045NR68A	0.68	0.006	99	5.7	11
NR6045NR82A	0.82	0.007	140	6.08	10.71
NR6045M1R0A	1	0.01	100	5.29	10.15
NR6045M1R2A	1.2	0.01	100	5.56	8.6
NR6045M1R3A	1.3	0.01	100	5.4	8.35
NR6045M1R5A	1.5	0.011	65	5.1	9.06
NR6045M1R8A	1.8	0.011	74	5.1	7.83
NR6045M2R2A	2.2	0.014	52	4.74	6.95
NR6045M2R3A	2.3	0.02	60	3.61	6.18
NR6045M2R7A	2.7	0.02	38	4.43	5.92
NR6045M3R0A	3	0.019	35	3.91	5.77
NR6045M3R3A	3.3	0.02	32	3.81	6.08

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR6045M3R6A	3.6	0.02	28	3.81	5.41
NR6045M4R3A	4.3	0.021	23	3.61	4.58
NR6045M4R5A	4.5	0.026	24	3.3	4.97
NR6045M4R7A	4.7	0.024	24	3.4	5.12
NR6045M5R1A	5.1	0.024	23	3.4	4.53
NR6045M5R6A	5.6	0.027	23	3.24	4.27
NR6045M6R2A	6.2	0.03	26	3.09	4.56
NR6045M6R3A	6.3	0.031	26	3	4.43
NR6045M6R8A	6.8	0.03	20	3.09	4.02
NR6045M7R5A	7.5	0.033	18	2.99	3.61
NR6045M8R2A	8.2	0.041	21	2.68	4.02
NR6045M9R1A	9.1	0.041	17	2.68	3.45
NR6045M100A	10	0.046	15	2.52	3.3
NR6045M120A	12	0.056	13	2.27	2.88
NR6045M150A	15	0.065	12	2.11	2.58
NR6045M180A	18	0.078	10	1.91	2.27
NR6045M220A	22	0.11	10	1.85	2.11
NR6045M270A	27	0.098	9.2	1.7	1.96
NR6045M300A	30	0.127	7.8	1.55	1.75
NR6045M330A	33	0.137	7.8	1.49	1.7
NR6045M360A	36	0.166	7.8	1.44	1.67
NR6045M390A	39	0.173	7.8	1.29	1.55
NR6045M430A	43	0.193	7.7	1.24	1.68
NR6045M470A	47	0.193	6.4	1.24	1.44
NR6045M510A	51	0.199	6.4	1.18	1.39
NR6045M560A	56	0.25	6.4	1.13	1.34
NR6045M620A	62	0.226	6.4	1.13	1.29
NR6045M680A	68	0.278	6.4	1.03	1.24
NR6045M750A	75	0.293	5	0.98	1.18
NR6045M820A	82	0.328	4.9	0.93	1.08
NR6045M910A	91	0.345	4.9	0.88	1.03
NR6045M101A	100	0.416	4.2	0.82	0.98
NR6045M121A	120	0.466	4.2	0.79	0.88
NR6045M151A	150	0.559	4.2	0.72	0.82

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR6045M221A	220	0.803	3.5	0.61	0.72
NR6045M331A	330	1.27	2.8	0.59	0.59
NR6045M471A	470	2.6	2.1	0.2	0.2
NR6045M681A	680	2.5	1.7	0.33	0.42
NR6045M102A	1000	5.231	0	0.21	0.24
NR6055M3R3A	3.3	0.019	32	3.99	6.07
NR6055M4R7A	4.7	0.024	24	3.63	4.95
NR6055M6R8A	6.8	0.026	20	3.53	3.94
NR6055M8R2A	8.2	0.037	21	2.93	3.93
NR6055M100A	10	0.041	15	2.73	3.34
NR6055M150A	15	0.056	12	2.37	2.56
NR6055M220A	22	0.076	10	2.03	2.27
NR6055M330A	33	0.13	7.8	1.56	1.66
NR6055M470A	47	0.193	6.4	1.26	1.62
NR6055M680A	68	0.271	6.4	1.02	1.26
NR6055M101A	100	0.333	4.2	0.96	1.06
NR6055M151A	150	0.527	4.2	0.76	0.92
NR6055M221A	220	0.796	3.5	0.61	0.71
NR6055M331A	330	1.232	2.8	0.5	0.57
NR8040NR82A	0.82	0.007	94	6.49	14.21
NR8040M1R0A	1	0.007	89	6.49	10.15
NR8040M1R2A	1.2	0.01	59	5.65	10
NR8040M1R5A	1.5	0.01	67	5.82	8.39
NR8040M2R0A	2	0.011	43	5.3	9.53
NR8040M2R2A	2.2	0.011	41	5.3	7.31
NR8040M3R0A	3	0.013	32	4.84	6.28
NR8040M3R3A	3.3	0.016	27	4.53	6.7
NR8040M3R6A	3.6	0.016	30	4.48	7.75
NR8040M3R9A	3.9	0.016	26	4.48	5.92
NR8040M4R7A	4.7	0.018	24	4.22	6.08
NR8040M5R1A	5.1	0.018	22	4.17	4.84
NR8040M5R6A	5.6	0.02	24	3.97	6.18
NR8040M6R2A	6.2	0.02	20	3.97	4.58
NR8040M6R8A	6.8	0.023	20	3.71	4.69

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
NR8040M8R2A	8.2	0.024	17	3.55	4.33
NR8040M100A	10	0.0285	15	3.3	3.71
NR8040M120A	12	0.041	13	2.8	3.5
NR8040M150A	15	0.045	12	2.68	3.04
NR8040M180A	18	0.05	11	2.47	2.78
NR8040M220A	22	0.066	9.5	2.16	2.47
NR8040M270A	27	0.075	9.2	2.06	2.21
NR8040M330A	33	0.097	7.8	1.85	2.11
NR8040M360A	36	0.098	7.8	1.8	2.06
NR8040M390A	39	0.103	7.8	1.75	2.01
NR8040M430A	43	0.108	7.8	1.7	1.96
NR8040M470A	47	0.13	6.4	1.6	1.8
NR8040M510A	51	0.136	6.4	1.55	1.75
NR8040M560A	56	0.148	6.4	1.49	1.6
NR8040M620A	62	0.175	6.4	1.34	1.55
NR8040M680A	68	0.188	4.9	1.29	1.49
NR8040M750A	75	0.203	4.9	1.24	1.39
NR8040M820A	82	0.225	5.9	1.18	1.34
NR8040M910A	91	0.261	4.9	1.08	1.24
NR8040M101A	100	0.279	4.2	1.03	1.18
NR8040M121A	120	0.321	3.5	0.98	1.08
NR8040M151A	150	0.41	3.5	0.88	1.13
NR8040M181A	180	0.52	3.5	0.83	0.95
NR8040M221A	220	0.576	3.5	0.82	0.88
NR8040M331A	330	0.856	2.8	0.64	0.7
NR8040M471A	470	1.5	2.1	0.54	0.6
NR8040M561A	560	2	1.6	0.3	0.3
NR8040M681A	680	2.2	1.2	0.25	0.25
NR8040M821A	820	3	0.8	0.2	0.2
NR8040M102A	1000	4	0.5	0.15	0.15
NR8060K681A	680	1.67	1.26	0.46	0.72
NR8065MR68A	0.68	0.006	100	7.65	24.5
NR8065M1R0A	1	0.008	96	7.13	20.3
NR8065M2R2A	2.2	0.012	45	4.56	12.2

NR Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current I _{rms} (A) Max.	Saturation Current I _{sat} (A) Max.
NR8065M3R3A	3.3	0.013	27	5.25	9.78
NR8065M4R7A	4.7	0.016	18	4.84	8.75
NR8065M5R6A	5.6	0.02	17	4.63	8.24
NR8065M6R8A	6.8	0.02	16	4.63	7.72
NR8065M8R2A	8.2	0.023	15	4.32	7.21
NR8065M100A	10	0.033	13	3.26	8.15
NR8065M150A	15	0.04	10	3.35	5.8
NR8065M220A	22	0.055	8	2.76	4.42
NR8065M470A	47	0.11	7	1.88	3.46
NR8065M560A	56	0.15	6	1.38	3.25
NR8065M680A	68	0.16	5	1.57	2.4
NR8065M101A	100	0.21	3.1	1.37	2.03
NR8065M151A	150	0.33	2.5	0.97	1.63
NR8065M221A	220	0.49	2	0.81	1.22
NR8065M331A	330	0.64	1.7	0.77	1.03
NR8065M431A	430	0.9	1.5	0.62	0.97
NR8065M471A	470	1.15	1.4	0.56	1.02
NR8065M681A	680	1.48	1	0.52	0.87
NR8065M102A	1000	2.15	1.1	0.41	0.66
NR8065M152A	1500	3.34	0.7	0.33	0.55
NR8065M222A	2200	4.6	0.7	0.27	0.46
NR8065M332A	3300	10.8	0.7	0.23	0.36
NR8065M472A	4700	11.1	0.4	0.19	0.3
NR8065M682A	6800	17.1	0.4	0.15	0.27
NR8065M103A	10000	20.5	0.4	0.14	0.21