

Features:

- Magnetic powder epoxy coating reduces buzz noise to a low level (Ferrite Core Type).
- A wide range of product line up is available to meet the various requirements.
- For DC/DC converter applications.
- Ideally used in the devices such as smart phone, car navigation, smart screen, flat-screen TVs, notebook PC, LED lighting, various power modules, etc.
- Custom design is also available.
- RoHS compliant.

Appearance dimensions (mm, dimensions without tolerance are typical):

Recommended Land Patterns

Fig.1

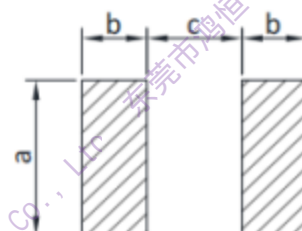
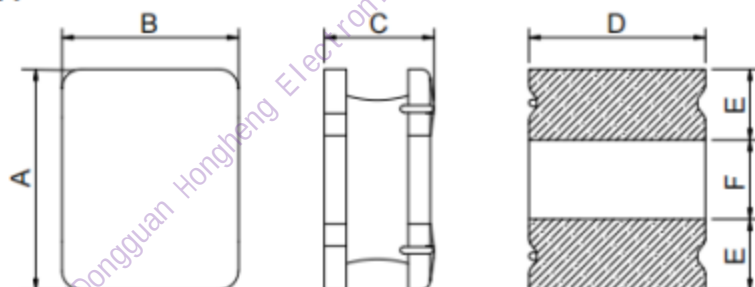


Fig.2

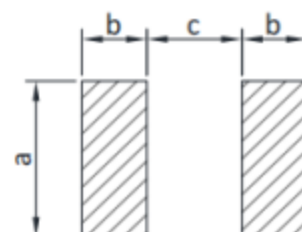
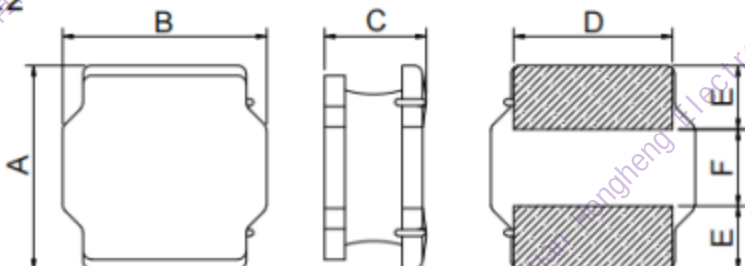


Fig.3

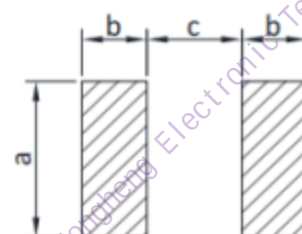
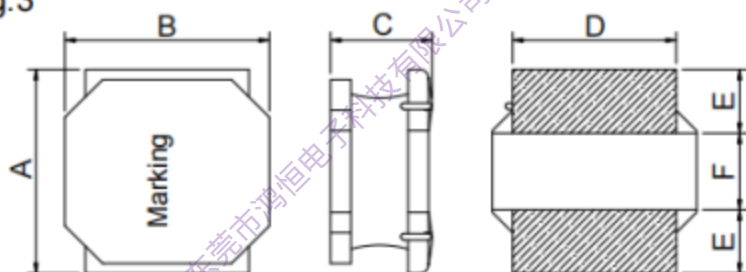
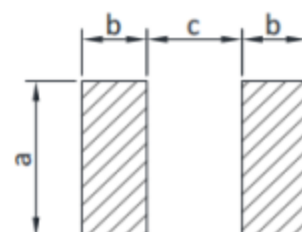
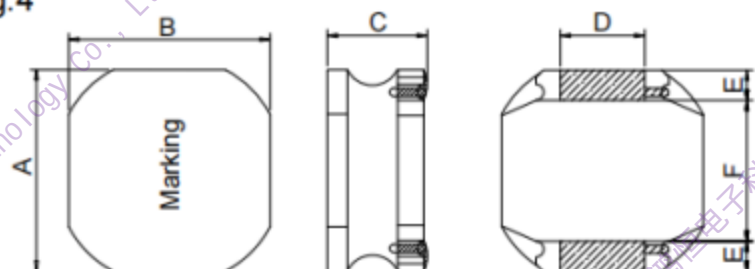


Fig.4



Type		A	B	C	D	E	F	a	b	c	MPQ(pcs)
NR252010	Fig.1	2.50	2.00	1.0 Max.	200	0.80	0.80	2.00	0.85	0.80	2000
NR252012	Fig.1	2.50	2.00	1.2 Max.	2.00	0.80	0.80	2.00	0.85	0.80	2000
NR3010	Fig.2	3.00	3.00	1.0 Max.	2.50	0.75	1.50	2.70	0.80	1.50	2000
NR3012	Fig.2	3.00	3.00	1.2 Max.	2.50	0.75	1.50	2.70	0.80	1.50	2000
NR3015	Fig.2	3.00	3.00	1.5 Max.	2.50	0.75	1.50	2.70	0.80	1.50	2000
NR4010	Fig.2	4.00	4.00	1.0 Max.	3.30	0.95	2.10	3.70	1.10	1.90	5000
NR4012	Fig.2	4.00	4.00	1.2 Max.	3.30	0.95	2.10	3.70	1.10	1.90	4500
NR4018	Fig.2	4.00	4.00	1.8 Max.	3.30	0.95	2.10	3.70	1.10	1.90	3000
NR4020	Fig.2	4.00	4.00	2.0 Max.	3.30	0.95	2.10	3.70	1.10	1.90	3000
NR4030	Fig.2	4.00	4.00	3.0 Max.	3.30	0.95	2.10	3.70	1.10	1.90	3000
NR5020	Fig.3	5.00	5.00	2.0 Max.	4.00	1.25	2.50	4.20	1.40	2.30	3000
NR5040	Fig.3	5.00	5.00	4.0 Max.	4.00	1.25	2.50	4.20	1.40	2.30	1500
NR5045	Fig.3	5.00	5.00	4.5 Max.	4.00	1.25	2.50	4.20	1.40	2.30	1500
NR6020	Fig.2	6.00	6.00	2.0 Max.	4.90	1.55	2.90	5.70	1.70	2.80	2500
NR6028	Fig.2	6.00	6.00	2.8 Max.	4.90	1.55	2.90	5.70	1.70	2.80	2000
NR6045	Fig.2	6.00	6.00	4.5 Max.	4.90	1.55	2.90	5.70	1.70	2.80	1500
NR8040	Fig.2	8.00	8.00	4.2 Max.	6.30	2.00	4.00	7.50	2.20	3.80	1000
NR8050	Fig.2	8.00	8.00	5.0 Max.	6.30	2.00	4.00	7.50	2.20	3.80	1000
NR8060	Fig.2	8.00	8.00	6.0 Max.	6.30	2.00	4.00	7.50	2.20	3.80	1000
NR8065	Fig.3	8.00	8.00	6.5 Max.	6.30	2.00	4.00	7.50	2.20	3.80	1000
NR1050	Fig.4	10.0	10.0	5.0 Max.	4.20	2.90	6.40	5.50	2.00	6.20	500

NR252010 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR252010-R22N	0.22	30%	36.0	2.70	3.10	3.00	3.50
NR252010-R33N	0.33	30%	48.0	4.00	4.60	2.40	2.76
NR252010-R47N	0.47	30%	56.0	2.50	3.35	2.35	2.56
NR252010-R56N	0.56	30%	72.0	2.90	3.20	2.00	2.18
NR252010-R68N	0.68	30%	74.0	2.20	2.75	2.00	2.18
NR252010-1R0N	1.00	30%	108	1.85	2.20	1.65	1.80
NR252010-1R5N	1.50	30%	182	1.80	2.10	1.30	1.42
NR252010-2R2N	2.20	30%	209	1.20	1.60	1.20	1.31
NR252010-3R3M	3.30	20%	328	1.05	1.30	0.90	0.98
NR252010-4R7M	4.70	20%	563	0.95	1.15	0.70	0.76
NR252010-5R6M	5.60	20%	563	0.80	0.95	0.73	0.80
NR252010-6R8M	6.80	20%	896	0.78	0.92	0.59	0.64
NR252010-100M	10.0	20%	1092	0.65	0.78	0.50	0.55
NR252010-150M	15.0	20%	1508	0.40	0.60	0.50	0.55
NR252010-220M	22.0	20%	1625	0.40	0.48	0.45	0.50

NR252012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR252012-R22N	0.22	30%	47.0	6.10	6.50	2.20	2.57
NR252012-R33N	0.33	30%	47.0	4.00	5.00	2.20	2.57
NR252012-R47N	0.47	30%	61.0	3.82	4.27	2.15	2.34
NR252012-R68N	0.68	30%	74.0	3.28	3.68	1.95	2.13
NR252012-1R0N	1.00	30%	90.0	2.59	2.90	1.93	2.10
NR252012-1R2N	1.20	30%	129	2.38	2.67	1.46	1.59
NR252012-2R2M	2.20	20%	216	1.85	2.07	1.15	1.25
NR252012-2R7M	2.70	20%	239	1.72	1.92	1.09	1.19
NR252012-3R3M	3.30	20%	264	1.61	1.80	1.04	1.13
NR252012-3R6M	3.60	20%	348	1.46	1.64	0.90	0.98
NR252012-4R3M	4.30	20%	377	1.37	1.53	0.87	0.95
NR252012-4R7M	4.70	20%	377	1.12	1.25	0.84	0.92
NR252012-5R1M	5.10	20%	500	1.23	1.37	0.75	0.82
NR252012-5R6M	5.60	20%	538	1.11	1.25	0.73	0.80
NR252012-6R2M	6.20	20%	542	1.03	1.16	0.73	0.80

NR252012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR252012-6R8M	6.80	20%	581	0.98	1.09	0.69	0.75
NR252012-7R5M	7.50	20%	611	0.97	1.09	0.68	0.74
NR252012-8R2M	8.20	20%	658	0.98	1.10	0.65	0.71
NR252012-9R1M	9.10	20%	690	0.91	1.02	0.62	0.68
NR252012-100M	10.0	20%	690	0.79	0.88	0.62	0.68
NR252012-120M	12.0	20%	1075	0.78	0.88	0.51	0.56
NR252012-150M	15.0	20%	1591	0.68	0.77	0.42	0.46
NR252012-220M	22.0	20%	1976	0.53	0.59	0.38	0.41

NR3010 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR3010-R47N	0.47	30%	44.0	1.44	2.00	2.00	2.30
NR3010-1R0N	1.00	30%	85.0	1.40	2.10	1.45	1.80
NR3010-1R2N	1.20	30%	85.0	1.25	1.70	1.45	1.80
NR3010-1R5N	1.50	30%	104	1.27	1.70	1.30	1.60
NR3010-2R2N	2.20	30%	143	1.15	1.50	1.09	1.40
NR3010-2R7M	2.70	20%	169	1.00	1.20	1.02	1.40
NR3010-3R3N	3.30	30%	189	0.97	1.20	0.96	1.20
NR3010-3R6M	3.60	20%	215	0.95	1.20	0.90	1.10
NR3010-4R7M	4.70	20%	293	0.75	1.05	0.77	1.10
NR3010-5R6M	5.60	20%	322	0.58	0.65	0.70	1.05
NR3010-6R8M	6.80	20%	397	0.55	0.72	0.66	0.96
NR3010-8R2M	8.20	20%	520	0.55	0.70	0.58	0.70
NR3010-100M	10.0	20%	520	0.55	0.75	0.58	0.70
NR3010-120M	12.0	20%	657	0.43	0.65	0.52	0.67
NR3010-150M	15.0	20%	793	0.42	0.57	0.47	0.57
NR3010-220M	22.0	20%	1209	0.35	0.48	0.38	0.52
NR3010-270M	27.0	20%	1404	0.30	0.45	0.35	0.50
NR3010-330M	33.0	20%	2015	0.29	0.42	0.30	0.55
NR3010-390M	39.0	20%	2275	0.28	0.38	0.28	0.53
NR3010-430M	43.0	20%	2340	0.23	0.36	0.27	0.52
NR3010-470M	47.0	20%	2535	0.22	0.35	0.26	0.52

NR3010 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR3010-510M	51.0	20%	2860	0.21	0.33	0.25	0.48
NR3010-560M	56.0	20%	3016	0.21	0.28	0.24	0.35

NR3012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR3012-R22N	0.22	30%	22.0	5.30	6.00	3.00	3.30
NR3012-R47N	0.47	30%	24.0	2.95	3.39	2.95	3.39
NR3012-R82N	0.82	30%	39.0	2.05	2.80	2.47	3.00
NR3012-1R0N	1.00	30%	52.0	1.87	2.80	2.20	2.70
NR3012-1R2N	1.20	30%	59.0	2.22	2.50	2.01	2.20
NR3012-1R5N	1.50	30%	59.0	1.62	1.90	2.01	2.20
NR3012-1R8N	1.80	30%	82.0	1.30	1.90	1.65	1.80
NR3012-2R2N	2.20	30%	98.0	1.20	1.90	1.55	1.70
NR3012-2R4N	2.40	30%	88.0	1.15	1.50	1.60	1.70
NR3012-2R7N	2.70	30%	110	1.14	1.50	1.48	1.50
NR3012-3R3M	3.30	20%	130	1.05	1.50	1.36	1.40
NR3012-3R6M	3.60	20%	130	1.05	1.50	1.36	1.40
NR3012-3R9M	3.90	20%	189	1.00	1.30	1.24	1.30
NR3012-4R7M	4.70	20%	156	0.90	1.00	1.24	1.30
NR3012-5R6M	5.60	20%	226	0.80	1.10	1.13	1.24
NR3012-6R8M	6.80	20%	247	0.75	0.90	0.98	1.10
NR3012-100M	10.0	20%	345	0.60	0.88	0.83	0.90
NR3012-120M	12.0	20%	449	0.48	0.67	0.73	0.84
NR3012-150M	15.0	20%	468	0.45	0.62	0.71	0.77
NR3012-180M	18.0	20%	709	0.43	0.59	0.58	0.65
NR3012-220M	22.0	20%	839	0.42	0.52	0.53	0.59
NR3012-270M	27.0	20%	1131	0.35	0.48	0.47	0.51
NR3012-330M	33.0	20%	1138	0.36	0.46	0.46	0.50
NR3012-360M	36.0	20%	1235	0.34	0.44	0.44	0.48
NR3012-390M	39.0	20%	1729	0.30	0.39	0.37	0.41
NR3012-470M	47.0	20%	1885	0.27	0.35	0.35	0.40
NR3012-560M	56.0	20%	1794	0.26	0.33	0.28	0.40
NR3012-680M	68.0	20%	2171	0.24	0.29	0.33	0.37

NR3012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR3012-820M	82.0	20%	3302	0.17	0.27	0.27	0.31
NR3012-101M	100.0	20%	3718	0.21	0.23	0.25	0.29

NR3015 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR3015-R50N	0.50	30%	39.0	3.90	4.20	2.60	2.80
NR3015-1R0N	1.00	30%	39.0	2.32	2.80	2.35	2.50
NR3015-1R2N	1.20	30%	52.0	2.21	3.10	1.95	2.30
NR3015-1R5N	1.50	30%	65.0	2.30	2.70	1.70	2.20
NR3015-2R2N	2.20	30%	78.0	1.60	2.00	1.60	2.00
NR3015-2R7N	2.70	30%	98.0	1.52	1.90	1.43	1.90
NR3015-3R3N	3.30	20%	104	1.32	1.81	1.36	1.60
NR3015-3R9N	3.90	20%	137	1.20	1.40	1.20	1.50
NR3015-4R7N	4.70	20%	163	1.10	1.40	1.09	1.30
NR3015-6R8N	6.80	20%	260	0.85	1.10	0.85	1.10
NR3015-100M	10.0	20%	325	0.72	0.92	0.77	0.90
NR3015-120M	12.0	20%	416	0.70	0.90	0.68	0.89
NR3015-150M	15.0	20%	455	0.66	0.88	0.65	0.72
NR3015-180M	18.0	20%	559	0.56	0.72	0.59	0.72
NR3015-220M	22.0	20%	598	0.52	0.68	0.57	0.69
NR3015-270M	27.0	20%	949	0.48	0.56	0.45	0.56
NR3015-330M	33.0	20%	1066	0.44	0.53	0.43	0.51
NR3015-390M	39.0	20%	1294	0.41	0.55	0.39	0.44
NR3015-430M	43.0	20%	1378	0.37	0.43	0.37	0.48
NR3015-470M	47.0	20%	1625	0.35	0.43	0.35	0.44
NR3015-560M	56.0	20%	1664	0.33	0.42	0.34	0.41
NR3015-620M	62.0	20%	2093	0.30	0.40	0.30	0.41
NR3015-680M	68.0	20%	3510	0.28	0.37	0.23	0.31
NR3015-101M	100.0	20%	4043	0.23	0.25	0.21	0.25
NR3015-151M	150.0	20%	4940	0.18	0.22	0.19	0.23

NR4010 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4010-1R0N	1.00	30%	67.0	2.00	2.30	1.90	2.40
NR4010-1R5N	1.50	30%	84.0	1.68	2.00	1.70	2.00
NR4010-2R2N	2.20	20%	102	1.20	1.50	1.50	2.00
NR4010-3R3N	3.30	20%	120	1.10	1.40	1.40	1.80
NR4010-4R7N	4.70	20%	168	0.95	1.10	1.20	1.50
NR4010-6R8N	6.80	20%	240	0.80	0.95	1.00	1.20
NR4010-100M	10.0	20%	360	0.62	0.75	0.75	1.00
NR4010-150M	15.0	20%	516	0.54	0.61	0.60	0.85
NR4010-220M	22.0	20%	684	0.45	0.52	0.50	0.75

NR4012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4012-R47N	0.47	30%	49.0	4.00	5.20	3.30	3.75
NR4012-R82N	0.82	30%	65.0	3.02	3.30	1.65	2.50
NR4012-1R0N	1.00	30%	65.0	2.61	3.20	1.65	2.50
NR4012-1R2N	1.20	30%	85.0	3.00	3.50	1.46	2.20
NR4012-1R5N	1.50	30%	85.0	2.10	2.70	1.46	2.20
NR4012-1R8N	1.80	30%	104	2.12	2.60	1.32	1.90
NR4012-2R2N	2.20	30%	104	1.76	2.30	1.32	1.90
NR4012-2R7N	2.70	30%	117	1.90	2.30	1.25	1.70
NR4012-3R3N	3.30	30%	143	1.72	2.10	1.12	1.60
NR4012-3R6N	3.60	30%	143	1.20	1.70	1.12	1.60
NR4012-4R3N	4.30	30%	182	1.58	1.70	1.00	1.50
NR4012-4R7N	4.70	30%	163	1.15	1.80	1.05	1.50
NR4012-5R1N	5.10	30%	201	1.55	1.60	0.95	1.50
NR4012-5R6N	5.60	30%	182	1.00	1.60	1.00	1.20
NR4012-6R6N	6.80	20%	257	0.85	1.40	0.84	1.20
NR4012-100M	10.0	20%	345	0.80	1.10	0.77	1.00
NR4012-120M	12.0	20%	377	0.66	1.00	0.70	0.95
NR4012-150M	15.0	20%	442	0.56	0.80	0.64	0.85
NR4012-180M	18.0	20%	611	0.55	0.75	0.55	0.80
NR4012-220M	22.0	20%	763	0.46	0.70	0.49	0.75
NR4012-270M	27.0	20%	936	0.50	0.70	0.45	0.60

NR4012 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4012-330M	33.0	20%	1053	0.42	0.60	0.42	0.58
NR4012-360M	36.0	20%	1170	0.40	0.50	0.40	0.56
NR4012-390M	39.0	20%	1430	0.55	0.66	0.37	0.50
NR4012-470M	47.0	20%	1430	0.35	0.50	0.37	0.50
NR4012-560M	56.0	20%	1625	0.33	0.45	0.33	0.46
NR4012-680M	68.0	20%	2535	0.38	0.45	0.27	0.45
NR4012-820M	82.0	20%	2782	0.28	0.40	0.26	0.36
NR4012-101M	100.0	20%	2873	0.25	0.30	0.25	0.35

NR4018 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4018-R47N	0.47	30%	18.0	4.30	5.20	4.00	4.50
NR4018-R68N	0.68	30%	26.0	4.90	5.60	3.30	3.80
NR4018-1R0N	1.00	30%	33.0	4.80	5.20	2.00	3.30
NR4018-1R5N	1.50	30%	39.0	3.35	4.00	1.80	3.20
NR4018-1R8N	1.80	30%	44.0	3.00	3.40	2.00	2.80
NR4018-2R2M	2.20	20%	59.0	2.70	3.20	1.65	2.60
NR4018-3R3M	3.30	20%	91.0	2.45	2.90	1.23	2.10
NR4018-4R7M	4.70	20%	117	1.70	2.20	1.20	1.80
NR4018-6R8M	6.80	20%	143	1.45	2.00	1.06	1.50
NR4018-100M	10.0	20%	234	1.30	1.60	0.84	1.20
NR4018-150M	15.0	20%	325	0.94	1.10	0.65	1.00
NR4018-220M	22.0	20%	468	0.80	0.88	0.59	0.85
NR4018-330M	33.0	20%	689	0.56	0.75	0.49	0.72
NR4018-470M	47.0	20%	845	0.57	0.70	0.42	0.65
NR4018-680M	68.0	20%	1300	0.47	0.51	0.32	0.52
NR4018-101M	100.0	20%	2275	0.40	0.44	0.25	0.41
NR4018-680M	68.0	20%	1300	0.47	0.51	0.32	0.52
NR4018-151M	150.0	20%	3250	0.31	0.34	0.22	0.36
NR4018-221M	220.0	20%	5200	0.27	0.30	0.17	0.27

NR4020 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4020-R24M	0.24	20%	14.0	10.50	12.50	4.50	5.20
NR4020-R33N	0.33	30%	16.0	7.50	8.50	3.30	4.90
NR4020-R47N	0.47	30%	29.0	7.00	7.50	3.30	3.70
NR4020-R68N	0.68	30%	36.0	6.40	6.60	2.80	3.30
NR4020-1R0N	1.00	30%	38.0	4.78	5.20	2.15	3.20
NR4020-1R2N	1.20	30%	38.0	5.10	5.60	2.15	3.20
NR4020-1R5N	1.50	30%	46.0	4.45	4.90	1.98	3.00
NR4020-2R2M	2.20	20%	52.0	3.40	3.70	1.85	2.80
NR4020-3R3M	3.30	20%	91.0	3.20	3.50	1.40	2.50
NR4020-3R6M	3.60	20%	72.0	2.80	3.00	1.54	2.50
NR4020-4R7M	4.70	20%	98.0	2.35	2.50	1.34	2.00
NR4020-5R1M	5.10	20%	111	2.30	2.50	1.27	1.80
NR4020-5R6M	5.60	20%	117	2.20	2.40	1.22	1.80
NR4020-6R2M	6.20	20%	150	2.15	2.30	1.08	1.60
NR4020-6R8M	6.80	20%	163	2.20	2.40	1.04	1.60
NR4020-7R5M	7.50	20%	150	1.85	2.00	1.08	1.50
NR4020-8R2M	8.20	20%	163	1.75	1.90	1.04	1.40
NR4020-100M	10.0	20%	215	1.60	1.70	0.90	1.20
NR4020-120M	12.0	20%	228	1.50	1.60	0.88	1.20
NR4020-150M	15.0	20%	299	1.35	1.50	0.77	1.10
NR4020-220M	22.0	20%	455	1.05	1.10	0.62	0.87
NR4020-270M	27.0	20%	709	1.02	1.10	0.50	0.70
NR4020-330M	33.0	20%	715	0.85	0.93	0.49	0.68
NR4020-390M	39.0	20%	845	0.82	0.90	0.46	0.64
NR4020-430M	43.0	20%	858	0.77	0.85	0.45	0.63
NR4020-470M	47.0	20%	923	0.74	0.81	0.44	0.61
NR4020-510M	51.0	20%	975	0.70	0.77	0.42	0.59
NR4020-560M	56.0	20%	1040	0.66	0.72	0.41	0.57
NR4020-620M	62.0	20%	1170	0.65	0.71	0.39	0.52
NR4020-680M	68.0	20%	1380	0.61	0.67	0.36	0.50
NR4020-750M	75.0	20%	1510	0.70	0.77	0.35	0.49
NR4020-820M	82.0	20%	1520	0.50	0.55	0.34	0.47
NR4020-101M	100.0	20%	2020	0.48	0.53	0.31	0.43

NR4030 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4030-R47N	0.47	30%	10.0	7.80	9.80	5.20	5.90
NR4030-R56N	0.56	30%	11.0	9.00	10.40	5.20	6.00
NR4030-R68N	0.68	30%	13.0	6.80	8.00	4.56	5.10
NR4030-R91N	0.91	30%	17.0	6.25	6.80	4.15	4.70
NR4030-1R0N	1.00	30%	18.0	5.26	5.70	4.15	4.70
NR4030-1R2N	1.20	30%	20.0	5.80	6.30	3.82	4.20
NR4030-1R5N	1.50	30%	26.0	4.84	5.30	3.34	3.60
NR4030-1R8N	1.80	30%	33.0	5.40	5.80	3.20	3.30
NR4030-2R2N	2.20	30%	39.0	4.90	5.80	2.95	3.20
NR4030-3R3M	3.30	20%	52.0	3.30	3.60	2.40	2.60
NR4030-3R6M	3.60	20%	52.0	3.00	3.50	2.40	2.60
NR4030-3R9M	3.90	20%	74.0	3.00	3.30	2.10	2.30
NR4030-4R3M	4.30	20%	7.2	2.95	3.20	2.10	2.30
NR4030-4R7M	4.70	20%	78.0	2.90	3.20	2.00	2.30
NR4030-5R6M	5.60	20%	85.0	2.60	2.80	1.95	2.10
NR4030-6R2M	6.20	20%	117	3.00	3.45	1.60	1.70
NR4030-6R8M	6.80	20%	117	2.75	3.00	1.60	1.70
NR4030-7R5M	7.50	20%	110	2.20	2.40	1.65	1.80
NR4030-8R2M	8.20	20%	117	2.10	2.30	1.60	1.70
NR4030-100M	10.0	20%	130	1.95	2.40	1.50	1.60
NR4030-120M	12.0	20%	175	1.70	1.80	1.30	1.40
NR4030-150M	15.0	20%	247	1.65	1.80	1.11	1.20
NR4030-180M	18.0	20%	260	1.40	1.50	1.10	1.20
NR4030-220M	22.0	20%	292	1.30	1.40	1.00	1.20
NR4030-270M	27.0	20%	338	1.15	1.35	0.90	1.05
NR4030-330M	33.0	20%	429	1.10	1.20	0.84	0.92
NR4030-360M	36.0	20%	436	1.05	1.10	0.83	0.91
NR4030-390M	39.0	20%	566	1.03	1.10	0.73	0.80
NR4030-470M	47.0	20%	579	0.95	1.00	0.72	0.80
NR4030-510M	51.0	20%	611	0.90	1.13	0.70	0.80
NR4030-560M	56.0	20%	722	0.85	0.94	0.65	0.71
NR4030-620M	62.0	20%	761	0.80	0.99	0.63	0.70
NR4030-680M	68.0	20%	1128	0.72	0.80	0.52	0.57

NR4030 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR4030-750M	75.0	20%	1326	0.65	0.71	0.41	0.57
NR4030-820M	82.0	20%	1378	0.60	0.73	0.39	0.52
NR4030-910M	91.0	20%	1430	0.55	0.60	0.36	0.50
NR4030-101M	100.0	20%	1495	0.50	0.55	0.35	0.49
NR4030-121M	120.0	20%	1755	0.30	0.35	0.34	0.47
NR4030-151M	150.0	20%	2340	0.50	0.55	0.30	0.35
NR4030-221M	220.0	20%	3250	0.40	0.50	0.35	0.40
NR4030-331M	330.0	20%	5200	0.30	0.40	0.25	0.26
NR4030-471K	470.0	10%	9360	0.30	0.35	0.20	0.23
NR4030-501M	500.0	20%	9027	0.28	0.30	0.15	0.20
NR4030-681M	680.0	20%	9854	0.19	0.20	0.14	0.18

NR5020 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR5020-R22N	0.22	30%	11.0	9.00	12.00	5.30	6.00
NR5020-R24N	0.24	30%	11.0	8.00	10.00	5.30	6.00
NR5020-R47N	0.47	30%	17.0	6.15	6.70	4.60	5.00
NR5020-R56N	0.56	30%	22.0	8.50	9.60	3.80	4.20
NR5020-R68N	0.68	30%	22.0	5.50	6.00	4.00	4.40
NR5020-R75N	0.75	30%	22.0	5.50	6.00	4.00	4.40
NR5020-1R0N	1.00	30%	26.0	4.10	5.00	3.80	4.10
NR5020-1R2N	1.20	30%	29.0	4.50	4.90	3.55	3.90
NR5020-1R5N	1.50	30%	34.0	4.10	4.50	3.20	3.50
NR5020-2R2N	2.20	30%	42.0	3.20	4.00	2.90	3.10
NR5020-2R7N	2.70	30%	49.0	2.90	3.50	2.70	2.90
NR5020-3R0N	3.00	30%	49.0	2.55	2.80	2.70	2.90
NR5020-3R3N	3.30	30%	56.0	2.55	3.00	2.50	2.70
NR5020-3R6N	3.60	30%	56.0	2.80	3.00	2.50	2.70
NR5020-3R9N	3.90	30%	56.0	2.30	2.80	2.50	2.70
NR5020-4R3M	4.30	20%	74.0	2.50	3.00	2.20	2.40
NR5020-4R7M	4.70	20%	74.0	2.50	2.70	2.20	2.40
NR5020-5R1M	5.10	20%	83.0	2.25	2.60	2.05	2.20
NR5020-5R6M	5.60	20%	83.0	2.30	2.50	2.05	2.20

NR5020 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR5020-6R8M	6.80	20%	108	2.05	2.20	1.80	1.90
NR5020-7R5M	7.50	20%	117	1.85	2.00	1.75	1.90
NR5020-8R2M	8.20	20%	127	1.85	2.00	1.65	1.80
NR5020-9R1M	9.10	20%	143	1.70	1.80	1.55	1.70
NR5020-100M	10.0	20%	143	1.70	1.80	1.55	1.70
NR5020-120M	12.0	20%	182	1.50	1.60	1.40	1.50
NR5020-150M	15.0	20%	215	1.35	1.40	1.25	1.30
NR5020-180M	18.0	20%	260	1.25	1.30	1.15	1.20
NR5020-220M	22.0	20%	294	1.15	1.20	1.10	1.20
NR5020-330M	33.0	20%	507	0.92	1.00	0.90	0.99
NR5020-470M	47.0	20%	680	0.77	0.84	0.77	0.84
NR5020-560M	56.0	20%	819	0.77	0.84	0.70	0.77
NR5020-680M	68.0	20%	962	0.65	0.70	0.64	0.70
NR5020-820M	82.0	20%	1158	0.65	0.75	0.50	0.60
NR5020-101M	100.0	20%	1430	0.53	0.58	0.53	0.58
NR5020-121M	120.0	20%	1755	0.42	0.53	0.40	0.50

NR5040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR5040-R22N	0.22	30%	8.00	18.000	20.000	6.500	7.500
NR5040-R24N	0.24	30%	8.00	15.700	18.000	6.400	7.400
NR5040-R47N	0.47	30%	9.00	10.000	11.500	6.600	7.600
NR5040-1R0N	1.00	30%	16.0	7.350	8.200	4.900	5.100
NR5040-1R5N	1.50	30%	20.0	6.300	7.300	4.300	4.800
NR5040-2R2N	2.20	30%	25.0	4.900	5.600	3.800	4.300
NR5040-2R7N	2.70	30%	29.0	4.300	5.100	3.600	4.100
NR5040-3R0N	3.00	30%	29.0	4.150	4.800	3.600	4.200
NR5040-3R3N	3.30	30%	31.0	3.950	4.600	3.400	3.900
NR5040-4R7M	4.70	20%	39.0	3.500	3.900	3.000	3.300
NR5040-5R6M	5.60	20%	46.0	3.000	4.100	2.800	3.100
NR5040-6R8M	6.80	20%	56.0	2.900	3.500	2.500	2.800
NR5040-8R2M	8.20	20%	62.0	2.700	3.000	2.300	2.600
NR5040-100M	10.0	20%	83.0	2.350	2.900	2.100	2.400

NR5040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR5040-120M	12.0	20%	100	2.200	2.500	2.000	2.100
NR5040-150M	15.0	20%	112	2.000	2.300	2.000	2.100
NR5040-180M	18.0	20%	155	1.700	2.000	1.450	1.650
NR5040-220M	22.0	20%	168	1.600	1.900	1.500	1.600
NR5040-270M	27.0	20%	244	1.520	1.750	1.100	1.250
NR5040-330M	33.0	20%	244	1.300	1.500	1.200	1.400
NR5040-470M	47.0	20%	354	1.100	1.300	1.000	1.100
NR5040-510M	51.0	20%	494	1.000	1.200	1.000	1.100
NR5040-560M	56.0	20%	494	1.050	1.200	0.800	0.900
NR5040-680M	68.0	20%	520	0.900	1.100	0.800	0.900
NR5040-750M	75.0	20%	585	0.850	0.950	0.720	0.800
NR5040-101M	100.0	20%	728	0.750	0.900	0.700	0.800
NR5040-151M	150.0	20%	975	0.650	0.670	0.600	0.700
NR5040-221M	220.0	20%	1820	0.480	0.550	0.400	0.500
NR5040-301M	300.0	20%	2600	0.500	0.580	0.350	0.400
NR5040-331M	330.0	20%	2730	0.420	0.470	0.400	0.500
NR5040-471M	470.0	20%	3900	0.370	0.430	0.350	0.400
NR5040-561M	560.0	20%	4914	0.310	0.360	0.310	0.350
NR5040-681M	680.0	20%	5070	0.300	0.350	0.250	0.300
NR5040-102M	1000	20%	7800	0.210	0.260	0.200	0.230
NR5040-332M	3300	20%	25200	0.140	0.150	0.100	0.120
NR5040-102M	1000	20%	7800	0.210	0.250	0.200	0.230
NR5040-152M	1500	20%	10582	0.200	0.230	0.190	0.220
NR5040-202M	2000	20%	14760	0.170	0.200	0.140	0.160
NR5040-332M	3300	20%	25200	0.140	0.150	0.100	0.120
NR5040-392M	3900	20%	30550	0.125	0.150	0.100	0.115
NR5040-472M	4700	20%	45500	0.110	0.130	0.080	0.100
NR5040-502M	5000	20%	43160	0.110	0.130	0.085	0.098
NR5040-562M	5600	20%	50700	0.105	0.120	0.080	0.092
NR5040-682M	6800	20%	55900	0.090	0.110	0.075	0.086
NR5040-822M	8200	20%	55900	0.070	0.085	0.075	0.086
NR5040-103M	10000	20%	58500	0.065	0.075	0.075	0.086

NR5045 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR5045-1R5M	1.50	20%	22.0	7.40	8.50	5.20	5.90
NR5045-2R2M	2.20	20%	29.0	6.40	7.20	4.70	5.40
NR5045-3R3M	3.30	20%	35.0	6.40	7.20	4.20	4.85
NR5045-3R6M	3.60	20%	30.0	5.15	5.90	4.55	5.25
NR5045-4R7M	4.70	20%	47.0	5.00	5.60	3.20	3.70
NR5045-6R8M	6.80	20%	56.0	3.78	4.35	2.93	3.38
NR5045-100M	10.0	20%	79.0	3.20	3.70	2.50	2.90
NR5045-220M	22.0	20%	163	2.00	2.35	1.55	1.80
NR5045-330M	33.0	20%	256	1.63	1.88	1.13	1.30

NR6020 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6020-1R5N	1.50	30%	29.0	4.25	5.10	3.20	4.00
NR6020-1R8N	1.80	30%	36.0	4.85	5.80	2.75	3.50
NR6020-2R0N	2.00	30%	46.0	4.10	4.90	2.60	3.30
NR6020-2R2N	2.20	30%	36.0	3.75	4.50	2.75	3.50
NR6020-2R7N	2.70	30%	46.0	3.90	4.60	2.60	3.30
NR6020-3R3N	3.30	30%	46.0	3.15	3.70	2.60	3.30
NR6020-3R9N	3.90	30%	64.0	3.25	3.90	2.10	2.60
NR6020-4R3N	4.30	30%	64.0	2.70	3.20	2.10	2.60
NR6020-4R7N	4.70	30%	75.0	3.00	3.60	2.00	2.50
NR6020-5R6N	5.60	30%	75.0	2.40	2.90	1.90	2.40
NR6020-6R2N	6.20	30%	103	2.30	2.70	1.80	2.30
NR6020-6R8N	6.80	30%	103	2.20	2.60	1.80	2.30
NR6020-8R2N	8.20	30%	137	2.10	2.50	1.40	1.80
NR6020-100M	10.0	20%	137	1.75	2.10	1.40	1.80
NR6020-120M	12.0	20%	156	1.45	1.70	1.30	1.60
NR6020-150M	15.0	20%	189	1.20	1.40	1.20	1.50
NR6020-180M	18.0	20%	234	1.20	1.40	1.08	1.40
NR6020-220M	22.0	20%	256	1.05	1.20	1.00	1.30
NR6020-330M	33.0	20%	390	0.95	1.10	0.84	1.05
NR6020-470M	47.0	20%	559	0.70	0.90	0.80	0.90
NR6020-680M	68.0	20%	820	0.50	0.60	0.75	0.86

NR6020 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6020-101M	100.0	20%	1200	0.64	0.84	0.50	0.58
NR6020-151M	150.0	20%	2080	0.50	0.60	0.45	0.52
NR6020-221M	220.0	20%	3461	0.45	0.55	0.33	0.38
NR6020-331M	330.0	20%	3419	0.27	0.33	0.33	0.39

NR6028 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6028-R82N	0.82	30%	16.0	6.50	9.00	5.20	6.00
NR6028-1R0N	1.00	30%	13.0	5.75	7.00	5.20	5.70
NR6028-1R2N	1.20	30%	17.0	6.40	7.50	4.58	5.00
NR6028-1R5N	1.50	30%	17.0	6.00	6.60	4.58	5.00
NR6028-2R2N	2.20	30%	26.0	5.10	5.60	3.75	4.10
NR6028-2R7N	2.70	30%	26.0	3.80	4.10	3.75	4.10
NR6028-3R3N	3.30	30%	33.0	4.15	4.50	3.48	3.80
NR6028-4R7N	4.70	30%	39.0	3.00	3.30	3.08	3.40
NR6028-5R1N	5.10	30%	56.0	3.20	3.50	2.60	2.80
NR6028-6R2M	6.20	20%	61.0	3.05	3.30	2.40	2.60
NR6028-6R8M	6.80	20%	61.0	2.60	3.00	2.40	2.60
NR6028-8R2M	8.20	20%	72.0	2.30	2.50	2.25	2.50
NR6028-9R1M	9.10	20%	96.0	2.55	2.80	2.15	2.40
NR6028-100M	10.0	20%	94.0	2.04	2.50	1.95	2.40
NR6028-120M	12.0	20%	104	1.80	2.00	1.85	2.00
NR6028-150M	15.0	20%	163	1.75	1.90	1.45	1.60
NR6028-180M	18.0	20%	156	1.52	1.80	1.45	1.60
NR6028-220M	22.0	20%	182	1.45	1.80	1.40	1.60
NR6028-270M	27.0	20%	202	1.50	1.60	1.32	1.40
NR6028-330M	33.0	20%	241	1.35	1.50	1.22	1.30
NR6028-360M	36.0	20%	280	1.25	1.40	1.13	1.20
NR6028-390M	39.0	20%	293	1.25	1.40	1.10	1.20
NR6028-470M	47.0	20%	410	1.15	1.30	1.06	1.10
NR6028-560M	56.0	20%	449	1.05	1.20	0.89	1.00
NR6028-680M	68.0	20%	468	0.80	0.95	0.86	0.95
NR6028-750M	75.0	20%	533	0.90	0.99	0.81	0.90

NR6028 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6028-820M	82.0	20%	650	0.80	0.88	0.70	0.77
NR6028-101M	100.0	20%	650	0.65	0.71	0.70	0.77
NR6028-401M	400.0	20%	2808	0.30	0.33	0.40	0.45
NR6028-102M	1000	20%	7540	0.18	0.22	0.23	0.26
NR6028-820M	82.0	20%	650	0.80	0.88	0.70	0.77
NR6028-101M	100.0	20%	650	0.65	0.71	0.70	0.77
NR6028-401M	400.0	20%	2808	0.30	0.33	0.40	0.45
NR6028-102M	1000	20%	7540	0.18	0.22	0.23	0.26

NR6045 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6045-R47N	0.47	30%	8.00	15.00	16.50	6.50	6.60
NR6045-R56N	0.56	30%	8.00	14.00	15.00	6.50	7.50
NR6045-R68N	0.68	30%	8.00	11.00	12.00	5.70	6.50
NR6045-R82N	0.82	30%	10.0	10.35	11.00	5.90	6.50
NR6045-1R0N	1.00	30%	14.0	9.85	10.00	5.14	5.60
NR6045-1R2N	1.20	30%	13.0	8.35	9.10	5.40	5.90
NR6045-1R5N	1.50	30%	16.0	8.80	9.70	4.95	5.40
NR6045-1R8N	1.80	30%	16.0	7.60	8.40	4.95	5.40
NR6045-2R2N	2.20	30%	18.0	6.75	7.40	4.60	5.00
NR6045-2R7N	2.70	30%	20.0	5.75	6.30	4.30	4.70
NR6045-3R3N	3.30	30%	27.0	5.90	6.20	3.70	4.00
NR6045-3R6N	3.60	30%	27.0	5.25	5.70	3.70	4.00
NR6045-4R5M	4.50	20%	34.0	4.97	5.50	3.30	3.60
NR6045-4R7M	4.70	20%	34.0	4.97	5.50	3.30	3.60
NR6045-5R1M	5.10	20%	34.0	4.40	4.80	3.30	3.60
NR6045-5R6M	5.60	20%	38.0	4.15	4.60	3.15	3.40
NR6045-6R8M	6.80	20%	40.0	3.90	4.30	3.00	3.30
NR6045-8R2M	8.20	20%	56.0	3.90	4.30	2.60	2.80
NR6045-100M	10.0	20%	62.0	3.20	3.50	2.45	2.70
NR6045-120M	12.0	20%	75.0	2.80	3.00	2.20	2.40
NR6045-150M	15.0	20%	88.0	2.50	2.70	2.05	2.20
NR6045-180M	18.0	20%	105	2.20	2.40	1.85	2.00

NR6045 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR6045-220M	22.0	20%	116	2.05	2.20	1.80	2.00
NR6045-270M	27.0	20%	133	1.90	2.10	1.65	1.80
NR6045-300M	30.0	20%	172	1.70	1.80	1.50	1.60
NR6045-330M	33.0	20%	178	1.65	1.80	1.45	1.60
NR6045-360M	36.0	20%	225	1.62	1.80	1.40	1.50
NR6045-390M	39.0	20%	234	1.50	1.60	1.25	1.40
NR6045-430M	43.0	20%	260	1.63	1.80	1.20	1.30
NR6045-470M	47.0	20%	260	1.40	1.50	1.20	1.30
NR6045-510M	51.0	20%	269	1.35	1.50	1.15	1.20
NR6045-560M	56.0	20%	287	1.30	1.40	1.10	1.20
NR6045-620M	62.0	20%	306	1.25	1.40	1.10	1.20
NR6045-680M	68.0	20%	376	1.20	1.30	1.00	1.10
NR6045-750M	75.0	20%	397	1.15	1.20	0.95	1.00
NR6045-820M	82.0	20%	443	1.05	1.10	0.90	0.99
NR6045-101M	100.0	20%	563	0.95	1.00	0.80	0.88
NR6045-121M	120.0	20%	629	0.85	0.94	0.77	0.85
NR6045-151M	150.0	20%	754	0.80	0.88	0.70	0.77
NR6045-221M	220.0	20%	1084	0.70	0.77	0.59	0.65
NR6045-331M	330.0	20%	1651	0.57	0.63	0.57	0.63
NR6045-471M	470.0	20%	2340	0.50	0.56	0.42	0.48
NR6045-681M	680.0	20%	3250	0.42	0.46	0.33	0.38
NR6045-102M	1000	20%	5850	0.30	0.35	0.30	0.35
NR6045-152M	1500	20%	8450	0.24	0.27	0.21	0.24

NR8040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8040-R82N	0.82	30%	10.0	13.80	16.00	6.30	6.90
NR8040-1R0N	1.00	30%	10.0	9.85	14.00	6.30	6.90
NR8040-1R2N	1.20	30%	13.0	10.00	14.00	5.65	6.20
NR8040-1R5N	1.50	30%	13.0	8.15	11.00	5.65	6.20
NR8040-2R0N	2.00	30%	16.0	9.25	10.00	5.15	5.60
NR8040-2R2N	2.20	30%	16.0	7.10	8.00	5.15	5.60
NR8040-3R0N	3.00	30%	18.0	6.10	7.00	4.70	5.20

NR8040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8040-3R3N	3.30	30%	22.0	6.50	7.00	4.40	4.80
NR8040-3R6M	3.60	20%	22.0	7.52	8.50	4.35	4.80
NR8040-3R9N	3.90	30%	22.0	5.75	6.50	4.35	4.80
NR8040-4R7N	4.70	30%	25.0	5.90	6.50	4.10	4.50
NR8040-5R6N	5.60	30%	27.0	6.00	6.90	3.85	4.20
NR8040-6R2N	6.20	30%	27.0	4.45	5.10	3.85	4.20
NR8040-6R8M	6.80	20%	31.0	4.55	5.20	3.60	4.00
NR8040-8R2M	8.20	20%	34.0	4.20	4.80	3.45	3.80
NR8040-100M	10.0	20%	38.0	3.60	4.10	3.30	3.60
NR8040-120M	12.0	20%	53.0	3.50	4.00	2.80	3.00
NR8040-150M	15.0	20%	61.0	2.95	3.40	2.60	2.80
NR8040-180M	18.0	20%	69.0	2.70	3.10	2.40	2.60
NR8040-220M	22.0	20%	90.0	2.40	2.70	2.10	2.30
NR8040-270M	27.0	20%	101	2.15	2.50	2.00	2.20
NR8040-330M	33.0	20%	126	2.01	2.40	1.80	2.00
NR8040-360M	36.0	20%	133	2.00	2.30	1.75	1.90
NR8040-390M	39.0	20%	139	1.95	2.20	1.70	1.90
NR8040-430M	43.0	20%	147	1.90	2.20	1.65	1.80
NR8040-470M	47.0	20%	177	1.75	2.00	1.55	1.70
NR8040-510M	51.0	20%	185	1.70	1.90	1.50	1.60
NR8040-560M	56.0	20%	192	1.55	1.70	1.45	1.60
NR8040-620M	62.0	20%	237	1.50	1.60	1.30	1.40
NR8040-680M	68.0	20%	255	1.45	1.60	1.25	1.40
NR8040-750M	75.0	20%	274	1.35	1.50	1.20	1.30
NR8040-820M	82.0	20%	293	1.30	1.40	1.15	1.20
NR8040-910M	91.0	20%	354	1.20	1.30	1.05	1.10
NR8040-101M	100.0	20%	377	1.15	1.30	1.00	1.10
NR8040-121M	120.0	20%	434	1.05	1.10	0.95	1.00
NR8040-151M	150.0	20%	533	1.10	1.20	0.85	0.94
NR8040-181M	180.0	20%	676	0.95	1.15	0.83	0.92
NR8040-221M	220.0	20%	779	0.85	0.94	0.80	0.88
NR8040-331M	330.0	20%	1156	0.68	0.75	0.64	0.70

NR8040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8040-471M	470.0	20%	1625	0.60	0.70	0.50	0.60
NR8040-561M	560.0	20%	2327	0.50	0.60	0.47	0.54
NR8040-681M	680.0	20%	2652	0.50	0.60	0.45	0.50
NR8040-821M	820.0	20%	3640	0.53	0.60	0.35	0.40
NR8040-102M	1000	20%	3640	0.40	0.50	0.35	0.40
NR8040-152M	1500	20%	6500	0.32	0.38	0.26	0.27

NR8050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8050-1R5M	1.50	20%	12.00	10.000	12.000	6.000	6.400
NR8050-102M	1000.0	20%	2520	0.320	0.350	0.330	0.350
NR8050-122K	1200.0	10%	5400	0.700	0.800	0.300	0.350
NR8050-152K	1500.0	10%	5010	0.600	0.700	0.290	0.330
NR8050-103M	10000	20%	22800	0.090	0.100	0.110	0.130

NR8060 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8060-681K	680	10%	2170	0.72	0.82	0.46	0.53
NR8060-162K	1600	10%	4500	0.47	0.55	0.33	0.38
NR8060-202K	2000	10%	5800	0.42	0.50	0.28	0.32
NR8060-222K	2200	10%	6880	0.42	0.49	0.26	0.30
NR8060-502K	5000	10%	14900	0.27	0.31	0.18	0.21

NR8065 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8065-8R2M	8.20	20%	31.00	7.00	7.00	4.20	4.80
NR8065-100M	10.0	20%	44.00	8.00	8.90	3.20	3.70
NR8065-150M	15.0	20%	53.00	5.70	6.70	3.30	3.80
NR8065-220M	22.0	20%	72.00	4.30	4.80	2.70	3.10
NR8065-470M	47.0	20%	152.0	3.40	3.70	1.85	2.15
NR8065-560M	56.0	20%	198.0	3.20	3.70	1.35	1.55
NR8065-680M	68.0	20%	218.0	2.70	3.20	1.55	1.80
NR8065-101M	100.0	20%	280.0	2.00	2.40	1.35	1.45

NR8065 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR8065-151M	150.0	20%	440.0	1.60	2.00	0.95	1.10
NR8065-221M	220.0	20%	656.0	1.20	1.50	0.80	0.90
NR8065-331M	330.0	20%	840.0	1.00	1.20	0.75	0.85
NR8065-471M	470.0	20%	1560	1.00	1.20	0.55	0.65
NR8065-681M	680.0	20%	1944	0.85	1.00	0.52	0.60
NR8065-102M	1000	20%	2820	0.65	0.73	0.40	0.45
NR8065-152M	1500	20%	4380	0.54	0.60	0.32	0.37
NR8065-222M	2200	20%	6000	0.45	0.51	0.27	0.31
NR8065-332M	3300	20%	8760	0.36	0.40	0.23	0.26
NR8065-472M	4700	20%	14580	0.29	0.33	0.18	0.20
NR8065-682M	6800	20%	22440	0.26	0.29	0.14	0.16
NR8065-103M	10000	20%	27360	0.20	0.23	0.13	0.15

NR1050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR1050-1R0N	1.00	30%	18.0	9.85	14.00	6.30	6.90
NR1050-1R2N	1.20	30%	13.0	10.00	14.00	5.65	6.20
NR1050-1R5N	1.50	30%	13.0	8.15	11.00	5.65	6.20
NR1050-2R0N	2.00	30%	16.0	9.25	10.00	5.15	5.60
NR1050-2R2N	2.20	30%	16.0	7.10	8.00	5.15	5.60
NR1050-3R0N	3.00	30%	18.0	6.10	7.00	4.70	5.20
NR1050-3R3N	3.30	30%	22.0	6.50	7.00	4.40	4.80
NR1050-3R6M	3.60	20%	22.0	7.52	8.50	4.35	4.80
NR1050-3R9N	3.90	30%	22.0	5.75	6.50	4.35	4.80
NR1050-4R7N	4.70	30%	25.0	5.90	6.50	4.10	4.50
NR1050-5R1N	5.10	30%	25.0	4.70	5.40	4.05	4.40
NR1050-5R6N	5.60	30%	27.0	6.00	6.90	3.85	4.20
NR1050-6R2N	6.20	30%	27.0	4.45	5.10	3.85	4.20
NR1050-6R8M	6.80	20%	31.0	4.55	5.20	3.60	4.00
NR1050-8R2M	8.20	20%	34.0	4.20	4.80	3.45	3.80
NR1050-100M	10.0	20%	38.0	3.60	4.10	3.30	3.60
NR1050-120M	12.0	20%	53.0	3.50	4.00	2.80	3.00
NR1050-150M	15.0	20%	61.0	2.95	3.40	2.60	2.80

NR1050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
NR1050-180M	18.0	20%	69.0	2.70	3.10	2.40	2.60
NR1050-220M	22.0	20%	90.0	2.40	2.70	2.10	2.30
NR1050-270M	27.0	20%	101	2.15	2.50	2.00	2.20
NR1050-330M	33.0	20%	126	2.01	2.40	1.80	2.00

Remarks:

- * All test data is referenced to 25°C ambient temperature .
- * Test equipment: VC4092B, TH2516B, HP4284/HP4284A, HP4285 or equivalent .
- * Inductance: at 100kHz/1.0Vrms.
- * Isat: DC current at which the inductance drops 30% from its initial value without current.
- * I rms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C.