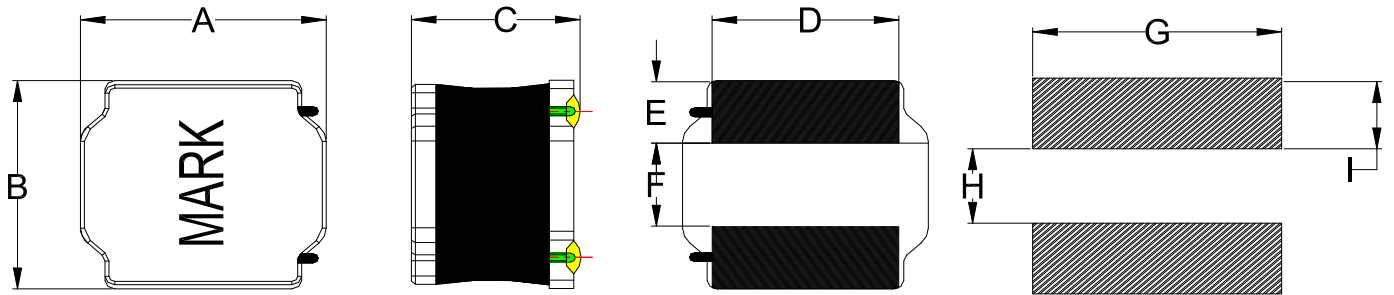




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Series	A	B	C	D	E	F	G	H	I
NR3015	3.0±0.2	3.0±0.2	1.5MAX	2.5±0.2	0.75±0.3	1.5±0.2	2.7	1.5	0.8

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking
NR3015-1R0N	1.0	30	30	2.32	2.10	100KHz/1V	1R0
NR3015-1R5N	1.5	30	50	2.00	1.70	100KHz/1V	1R5
NR3015-2R2N	2.2	30	60	1.60	1.60	100KHz/1V	2R2
NR3015-3R3M	3.3	20	80	1.36	1.32	100KHz/1V	3R3
NR3015-4R7M	4.7	20	125	1.10	1.09	100KHz/1V	4R7
NR3015-5R6M	5.6	20	170	1.05	1.00	100KHz/1V	5R6
NR3015-6R8M	6.8	20	200	0.85	0.85	100KHz/1V	6R8
NR3015-100M	10	20	250	0.77	0.72	100KHz/1V	100
NR3015-150M	15	20	350	0.66	0.65	100KHz/1V	150
NR3015-220M	22	20	460	0.57	0.52	100KHz/1V	220
NR3015-330M	33	20	820	0.44	0.42	100KHz/1V	330
NR3015-470M	47	20	1250	0.35	0.32	100KHz/1V	470

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

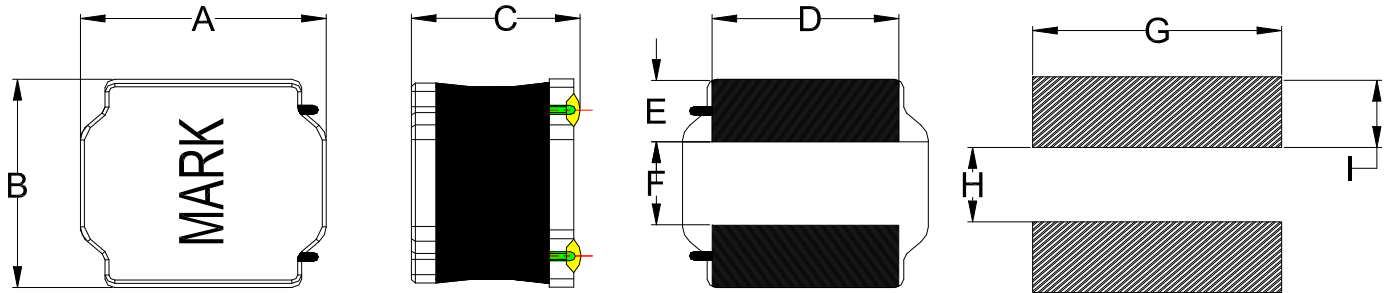
Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



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Series	A	B	C	D	E	F	G	H	I
NR4018	4.0±0.2	4.0±0.2	1.8MAX	3.3±0.2	0.95±0.3	2.1±0.2	3.7	1.9	1.1
Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking		
NR4018-1R0N	1.0	30	25	4.50	2.50	100KHz/1V	1R0		
NR4018-1R5N	1.5	30	30	3.35	2.34	100KHz/1V	1R5		
NR4018-2R2M	2.2	20	44	2.70	2.00	100KHz/1V	2R2		
NR4018-3R3M	3.3	20	70	2.45	1.90	100KHz/1V	3R3		
NR4018-4R7M	4.7	20	90	1.70	1.70	100KHz/1V	4R7		
NR4018-5R6M	5.6	20	103	1.60	1.50	100KHz/1V	5R6		
NR4018-6R8M	6.8	20	124	1.45	1.30	100KHz/1V	6R8		
NR4018-8R2M	8.2	20	180	1.40	1.15	100KHz/1V	8R2		
NR4018-100M	10	20	200	1.30	1.10	100KHz/1V	100		
NR4018-150M	15	20	268	0.94	0.92	100KHz/1V	150		
NR4018-220M	22	20	390	0.80	0.80	100KHz/1V	220		
NR4018-330M	33	20	560	0.65	0.60	100KHz/1V	330		
NR4018-470M	47	20	756	0.57	0.50	100KHz/1V	470		

Note 1: All test data is referenced to 25°C ambient.

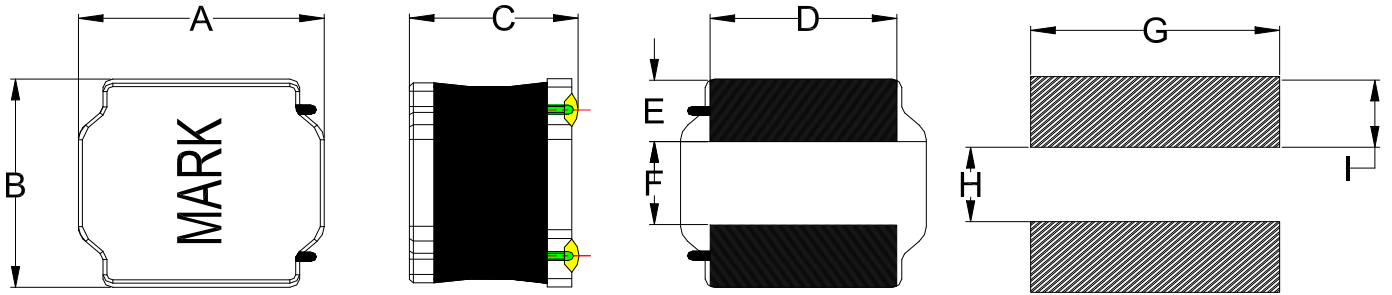
Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



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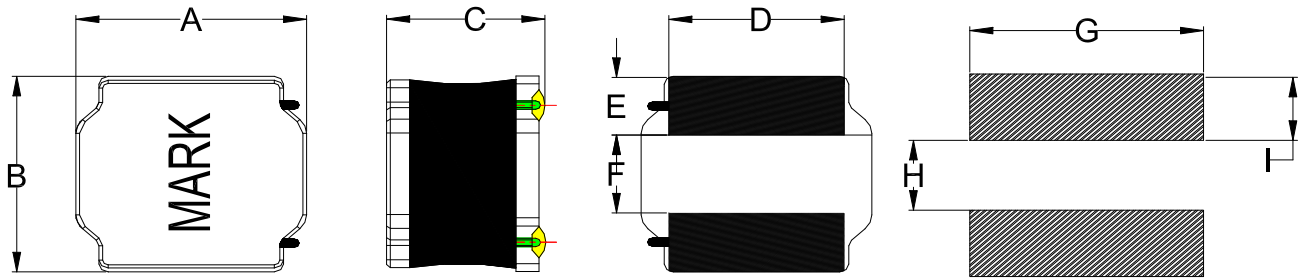
Series	A	B	C	D	E	F	G	H	I
NR4020	4.0±0.2	4.0±0.2	2.1MAX	3.3±0.2	0.95±0.3	2.1±0.2	3.7	1.9	1.1

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	I <sub>rms</sub> (A)	Test Condition	Marking
NR4020-1R0N	1.0	30	28	5.10	2.15	100KHz/1V	1R0
NR4020-1R2N	1.2	30	29	4.70	2.10	100KHz/1V	1R2
NR4020-1R5N	1.5	30	35	4.45	1.98	100KHz/1V	1R5
NR4020-2R2M	2.2	20	40	3.40	1.85	100KHz/1V	2R2
NR4020-3R3M	3.3	20	70	3.20	1.40	100KHz/1V	3R3
NR4020-4R7M	4.7	20	80	2.35	1.34	100KHz/1V	4R7
NR4020-5R6M	5.6	20	95	2.20	1.20	100KHz/1V	5R6
NR4020-6R8M	6.8	20	125	2.00	1.04	100KHz/1V	6R8
NR4020-8R2M	8.2	20	150	1.75	1.00	100KHz/1V	8R2
NR4020-100M	10	20	165	1.60	0.90	100KHz/1V	100
NR4020-120M	12	20	175	1.50	0.88	100KHz/1V	120
NR4020-150M	15	20	230	1.35	0.77	100KHz/1V	150
NR4020-220M	22	20	350	1.05	0.62	100KHz/1V	220
NR4020-330M	33	20	500	0.85	0.49	100KHz/1V	330
NR4020-470M	47	20	710	0.74	0.44	100KHz/1V	470
NR4020-680M	68	20	1250	0.60	0.35	100KHz/1V	680

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



Series	A	B	C	D	E	F	G	H	I
NR4030	4.0±0.2	4.0±0.2	3.0MAX	3.3±0.2	0.95±0.3	2.1±0.2	3.7	1.9	1.1

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	I <sub>rms</sub> (A)	Test Condition	Marking
NR4030-1R0N	1.0	30	15	5.90	3.40	100KHz/1V	1R0
NR4030-1R5N	1.5	30	25	4.85	3.30	100KHz/1V	1R5
NR4030-2R2M	2.2	20	35	4.10	2.95	100KHz/1V	2R2
NR4030-3R3M	3.3	20	40	3.30	2.40	100KHz/1V	3R3
NR4030-3R9M	3.9	20	57	3.00	2.10	100KHz/1V	3R9
NR4030-4R7M	4.7	20	60	2.90	2.00	100KHz/1V	4R7
NR4030-5R6M	5.6	20	70	2.75	1.95	100KHz/1V	5R6
NR4030-6R8M	6.8	20	75	2.60	1.70	100KHz/1V	6R8
NR4030-7R5M	7.5	20	90	2.20	1.65	100KHz/1V	7R5
NR4030-8R2M	8.2	20	100	2.10	1.60	100KHz/1V	8R2
NR4030-100M	10	20	115	1.95	1.50	100KHz/1V	100
NR4030-120M	12	20	140	1.70	1.35	100KHz/1V	120
NR4030-150M	15	20	190	1.65	1.15	100KHz/1V	150
NR4030-180M	18	20	215	1.40	1.10	100KHz/1V	180
NR4030-220M	22	20	225	1.30	1.00	100KHz/1V	220
NR4030-330M	33	20	330	1.10	0.84	100KHz/1V	330
NR4030-470M	47	20	500	0.90	0.72	100KHz/1V	470
NR4030-560M	56	20	560	0.85	0.65	100KHz/1V	560
NR4030-680M	68	20	750	0.75	0.55	100KHz/1V	680
NR4030-820M	82	20	950	0.68	0.50	100KHz/1V	820
NR4030-101M	100	20	1150	0.60	0.45	100KHz/1V	101
NR4030-151M	150	20	2350	0.50	0.35	100KHz/1V	151

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

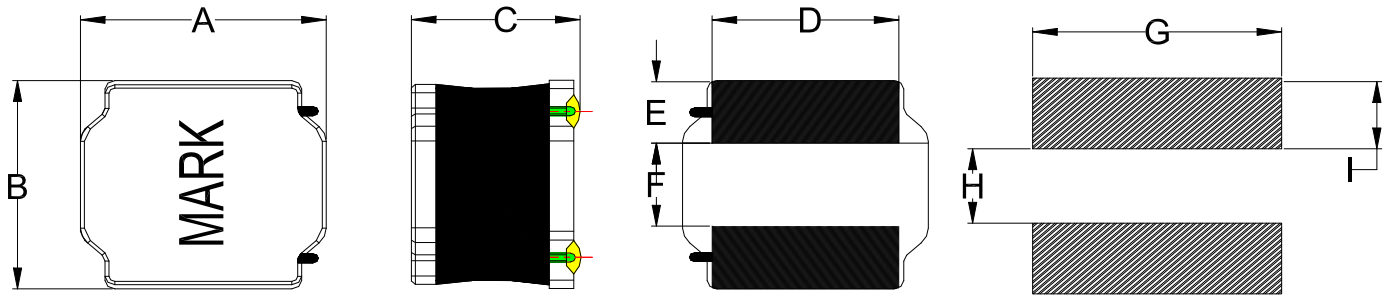
Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



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Series	A	B	C	D	E	F	G	H	I
NR5020	5.0±0.2	5.0±0.2	2.0MAX	4.0±0.2	1.25±0.3	2.5±0.2	4.2	2.3	1.4

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	I <sub>rms</sub> (A)	Test Condition	Marking
NR5020-1R0N	1.0	30	20	4.33	3.70	100KHz/1V	1R0
NR5020-1R5N	1.5	30	26	4.10	3.20	100KHz/1V	1R5
NR5020-2R2N	2.2	30	38	3.85	2.90	100KHz/1V	2R2
NR5020-3R3N	3.3	30	46	3.25	2.40	100KHz/1V	3R3
NR5020-4R7M	4.7	20	65	2.40	2.05	100KHz/1V	4R7
NR5020-6R8M	6.8	20	92	2.10	1.70	100KHz/1V	6R8
NR5020-8R2M	8.2	20	100	1.90	1.60	100KHz/1V	8R2
NR5020-100M	10	20	125	1.80	1.50	100KHz/1V	100
NR5020-150M	15	20	180	1.44	1.25	100KHz/1V	150
NR5020-220M	22	20	250	1.18	1.05	100KHz/1V	220
NR5020-330M	33	20	370	0.97	0.83	100KHz/1V	330
NR5020-470M	47	20	560	0.81	0.70	100KHz/1V	470

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

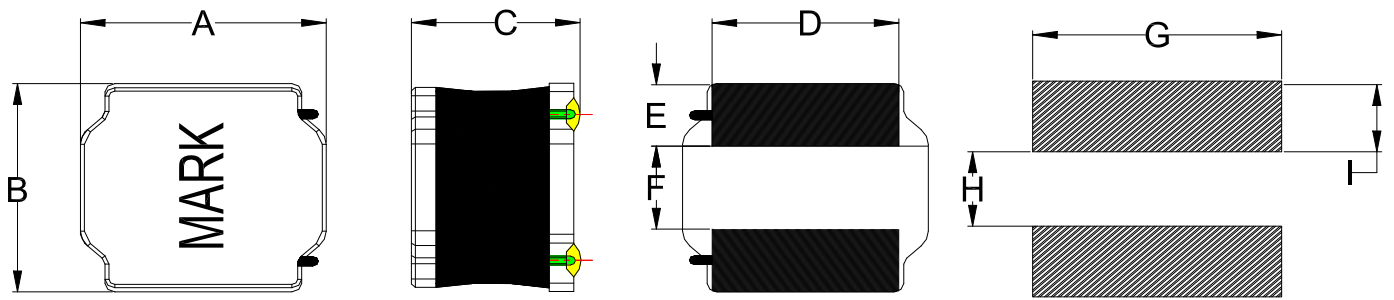
Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



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Series	A	B	C	D	E	F	G	H	I
NR5040	5.0±0.2	5.0±0.2	4.0MAX	4.0±0.2	1.25±0.2	2.5±0.2	4.2	2.3	1.4

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking
NR5040-1R0N	1.0	30	13	7.35	4.90	100KHz/1V	1R0
NR5040-1R5N	1.5	30	15	6.30	4.30	100KHz/1V	1R5
NR5040-2R2N	2.2	30	19	4.90	3.80	100KHz/1V	2R2
NR5040-2R7N	2.7	30	22	4.30	3.60	100KHz/1V	2R7
NR5040-3R3N	3.3	30	24	3.95	3.40	100KHz/1V	3R3
NR5040-3R9N	3.9	30	27	3.55	3.20	100KHz/1V	3R9
NR5040-4R7N	4.7	30	30	3.50	3.00	100KHz/1V	4R7
NR5040-5R6M	5.6	20	33	3.20	2.80	100KHz/1V	5R6
NR5040-6R8M	6.8	20	43	2.90	2.50	100KHz/1V	6R8
NR5040-100M	10	20	64	2.35	2.10	100KHz/1V	100
NR5040-150M	15	20	86	2.00	2.00	100KHz/1V	150
NR5040-220M	22	20	129	1.60	1.50	100KHz/1V	220
NR5040-270M	27	20	165	1.50	1.30	100KHz/1V	270
NR5040-330M	33	20	188	1.30	1.20	100KHz/1V	330
NR5040-470M	47	20	270	1.10	1.00	100KHz/1V	470
NR5040-680M	68	20	400	0.90	0.80	100KHz/1V	680
NR5040-101M	100	20	560	0.75	0.70	100KHz/1V	101

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

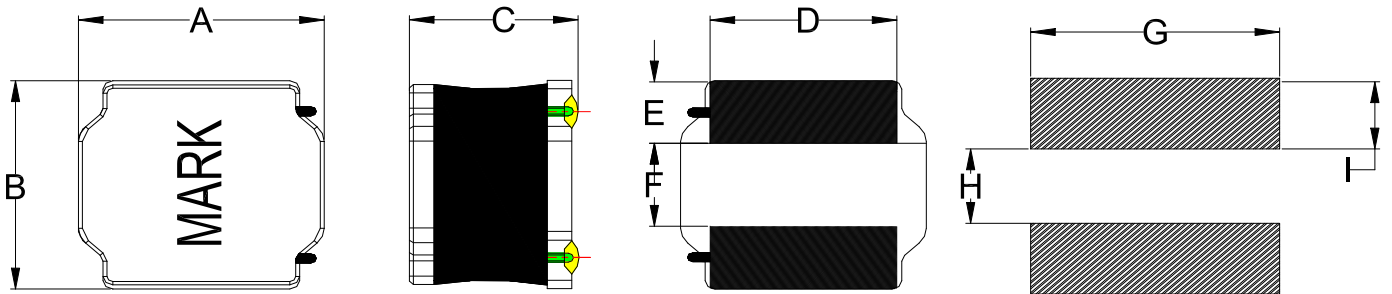
Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>o</sub> to drop approximately 30%



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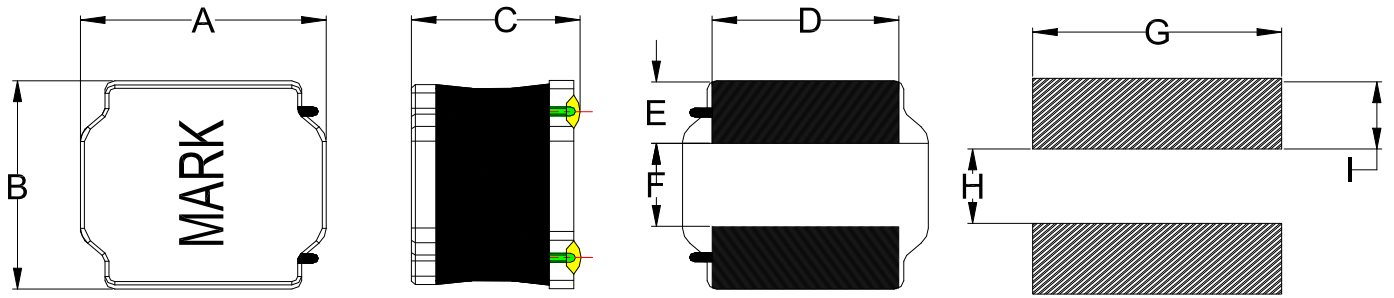


Series	A	B	C	D	E	F	G	H	I
NR6020	6.0±0.3	6.0±0.3	2.0MAX	4.9±0.3	1.55±0.3	2.9±0.3	5.7	2.8	1.7
Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking		
NR6020-1R0N	1.0	30	20	4.30	3.50	100KHz/1V	1R0		
NR6020-1R5N	1.5	30	25	4.25	3.20	100KHz/1V	1R5		
NR6020-2R2N	2.2	30	35	3.75	2.75	100KHz/1V	2R2		
NR6020-3R3N	3.3	30	45	3.15	2.60	100KHz/1V	3R3		
NR6020-4R7N	4.7	30	58	3.00	2.00	100KHz/1V	4R7		
NR6020-5R6M	5.6	20	70	2.40	1.90	100KHz/1V	5R6		
NR6020-6R8M	6.8	20	85	2.20	1.80	100KHz/1V	6R8		
NR6020-100M	10	20	120	1.75	1.40	100KHz/1V	100		
NR6020-150M	15	20	160	1.50	1.20	100KHz/1V	150		
NR6020-220M	22	20	240	1.25	1.00	100KHz/1V	220		
NR6020-270M	27	20	350	1.15	0.95	100KHz/1V	270		
NR6020-330M	33	20	400	1.10	0.90	100KHz/1V	330		
NR6020-470M	47	20	500	1.00	0.80	100KHz/1V	470		

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



Series	A	B	C	D	E	F	G	H	I
NR6028	6.0±0.3	6.0±0.3	2.8MAX	4.9±0.3	1.7±0.3	2.9±0.3	5.7	2.8	1.7

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	I <sub>rms</sub> (A)	Test Condition	Marking
NR6028-1R0N	1.0	30	12	6.70	4.60	100KHz/1V	1R0
NR6028-1R5N	1.5	30	16	6.00	4.30	100KHz/1V	1R5
NR6028-2R2N	2.2	30	20	5.10	3.75	100KHz/1V	2R2
NR6028-3R3N	3.3	30	25	3.63	3.40	100KHz/1V	3R3
NR6028-4R7N	4.7	30	33	3.00	3.00	100KHz/1V	4R7
NR6028-5R6N	5.6	30	45	2.80	2.45	100KHz/1V	5R6
NR6028-6R8M	6.8	20	56	2.60	2.40	100KHz/1V	6R8
NR6028-8R2M	8.2	20	68	2.40	2.25	100KHz/1V	8R2
NR6028-100M	10	20	78	2.05	1.90	100KHz/1V	100
NR6028-120M	12	20	88	1.80	1.70	100KHz/1V	120
NR6028-150M	15	20	125	1.75	1.50	100KHz/1V	150
NR6028-180M	18	20	130	1.55	1.45	100KHz/1V	180
NR6028-220M	22	20	140	1.45	1.40	100KHz/1V	220
NR6028-270M	27	20	180	1.40	1.30	100KHz/1V	270
NR6028-330M	33	20	220	1.35	1.10	100KHz/1V	330
NR6028-390M	39	20	225	1.25	1.10	100KHz/1V	390
NR6028-470M	47	20	280	1.15	1.05	100KHz/1V	470
NR6028-680M	68	20	420	0.95	0.85	100KHz/1V	680
NR6028-820M	82	20	550	0.80	0.70	100KHz/1V	820
NR6028-101M	100	20	670	0.65	0.60	100KHz/1V	101

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%



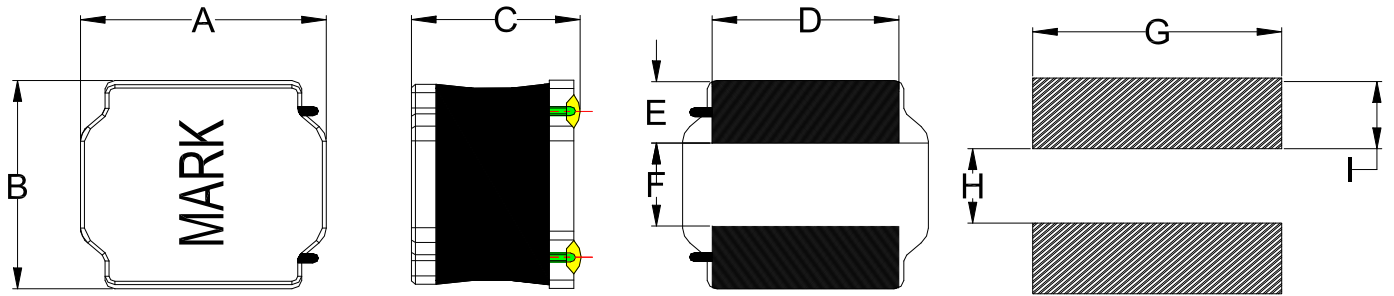


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Series	A	B	C	D	E	F	G	H	I
NR6045	6.0±0.3	6.0±0.3	4.5MAX	4.9±0.3	1.55±0.3	2.9±0.3	5.7	2.8	1.7

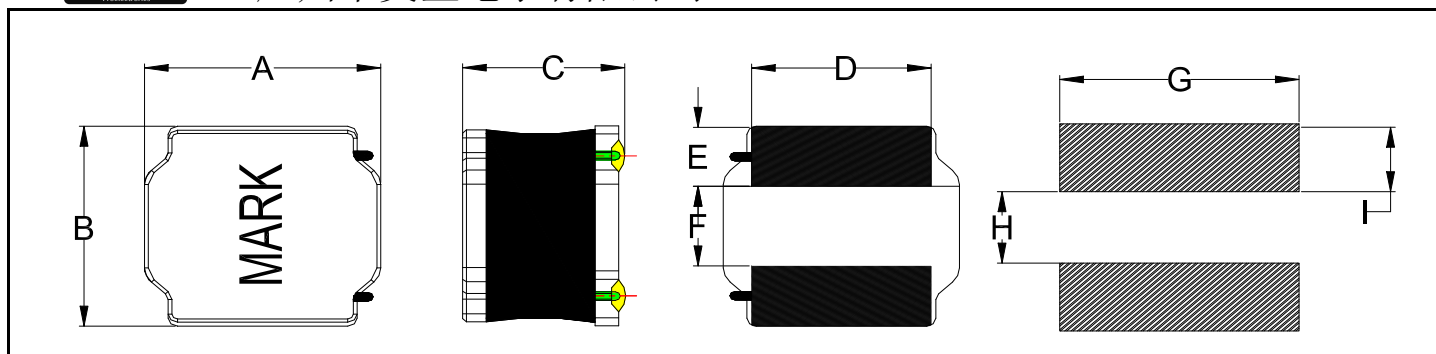
Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking
NR6045-R82N	0.8	30	8	10.40	5.90	100KHz/1V	R82
NR6045-1R0N	1.0	30	11	9.85	5.14	100KHz/1V	1R0
NR6045-1R2N	1.2	30	10	8.35	5.40	100KHz/1V	1R2
NR6045-1R5N	1.5	30	12	8.80	4.95	100KHz/1V	1R5
NR6045-1R8N	1.8	30	12	7.60	4.95	100KHz/1V	1R8
NR6045-2R2N	2.2	30	14	6.75	4.60	100KHz/1V	2R2
NR6045-2R3N	2.3	30	14	6.00	3.50	100KHz/1V	2R3
NR6045-2R7N	2.7	30	15	5.75	4.30	100KHz/1V	2R7
NR6045-3R0N	3	30	20	5.60	3.80	100KHz/1V	3R0
NR6045-3R3N	3.3	30	21	5.90	3.70	100KHz/1V	3R3
NR6045-3R6N	3.6	30	21	5.25	3.70	100KHz/1V	3R6
NR6045-4R3M	4.3	20	23	4.45	3.50	100KHz/1V	4R3
NR6045-4R7M	4.7	20	26	4.97	3.30	100KHz/1V	4R7
NR6045-5R1M	5.1	20	26	4.40	3.30	100KHz/1V	5R1
NR6045-5R6M	5.6	20	29	4.15	3.15	100KHz/1V	5R6
NR6045-6R2M	6.2	20	31	4.43	3.00	100KHz/1V	6R2
NR6045-6R8M	6.8	20	31	3.90	3.00	100KHz/1V	6R8
NR6045-7R5M	7.5	20	34	3.50	2.90	100KHz/1V	7R5
NR6045-8R2M	8.2	20	43	3.90	2.60	100KHz/1V	8R2
NR6045-9R1M	9.1	20	43	3.35	2.60	100KHz/1V	9R1

NR6045-100M	10	20	48	3.20	2.45	100KHz/1V	100
NR6045-120M	12	20	58	2.80	2.20	100KHz/1V	120
NR6045-150M	15	20	68	2.50	2.05	100KHz/1V	150
NR6045-180M	18	20	81	2.20	1.85	100KHz/1V	180
NR6045-220M	22	20	89	2.05	1.80	100KHz/1V	220
NR6045-270M	27	20	102	1.90	1.65	100KHz/1V	270
NR6045-300M	30	20	132	1.70	1.50	100KHz/1V	300
NR6045-330M	33	20	137	1.65	1.45	100KHz/1V	330
NR6045-360M	36	20	173	1.62	1.40	100KHz/1V	360
NR6045-390M	39	20	180	1.50	1.25	100KHz/1V	390
NR6045-430M	43	20	200	1.63	1.20	100KHz/1V	430
NR6045-470M	47	20	200	1.40	1.20	100KHz/1V	470
NR6045-510M	51	20	207	1.35	1.15	100KHz/1V	510
NR6045-560M	56	20	221	1.30	1.10	100KHz/1V	560
NR6045-620M	62	20	235	1.25	1.10	100KHz/1V	620
NR6045-680M	68	20	289	1.20	1.00	100KHz/1V	680
NR6045-750M	75	20	305	1.15	0.95	100KHz/1V	750
NR6045-820M	82	20	341	1.05	0.90	100KHz/1V	820
NR6045-910M	91	20	359	1.00	0.85	100KHz/1V	910
NR6045-101M	100	20	433	0.95	0.80	100KHz/1V	101
NR6045-121M	120	20	484	0.85	0.77	100KHz/1V	121
NR6045-151M	150	20	580	0.80	0.70	100KHz/1V	151
NR6045-221M	220	20	834	0.70	0.59	100KHz/1V	221
NR6045-331M	330	20	1270	0.57	0.57	100KHz/1V	331

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>o</sub> to drop approximately 30%



Series	A	B	C	D	E	F	G	H	I
NR8040	8.0±0.3	8.0±0.3	4.2MAX	6.3±0.3	2.2±0.3	4±0.3	7.5	3.8	2.2

Part Number	L0 Inductance (μH)	Tolerance (±%)	DCR (mΩ) ±30%	Isat (A)	Irms (A)	Test Condition	Marking
NR8040-R56N	1.0	30	5	11.50	7.60	100KHz/1V	R56
NR8040-1R0N	1.0	30	8	9.85	6.30	100KHz/1V	1R0
NR8040-1R5N	1.5	30	10	8.15	5.65	100KHz/1V	1R5
NR8040-2R2N	2.2	30	12	7.10	5.15	100KHz/1V	2R2
NR8040-3R3N	3.3	30	17	6.50	4.40	100KHz/1V	3R3
NR8040-4R7N	4.7	30	20	5.90	4.00	100KHz/1V	4R7
NR8040-5R6N	5.6	30	24	5.50	3.80	100KHz/1V	5R6
NR8040-6R8M	6.8	20	28	4.55	3.60	100KHz/1V	6R8
NR8040-8R2M	8.2	20	35	4.20	3.40	100KHz/1V	8R2
NR8040-100M	10	20	37	3.60	3.10	100KHz/1V	100
NR8040-150M	15	20	56	2.95	2.50	100KHz/1V	150
NR8040-220M	22	20	74	2.40	2.00	100KHz/1V	220
NR8040-330M	33	20	100	2.05	1.70	100KHz/1V	330
NR8040-470M	47	20	158	1.75	1.50	100KHz/1V	470
NR8040-680M	68	20	196	1.45	1.20	100KHz/1V	680
NR8040-101M	100	20	295	1.15	1.00	100KHz/1V	101
NR8040-151M	100	20	470	1.10	0.80	100KHz/1V	151
NR8040-181M	180	20	610	0.90	0.75	100KHz/1V	181
NR8040-221M	220	20	660	0.85	0.70	100KHz/1V	221
NR8040-331M	330	20	970	0.68	0.65	100KHz/1V	331
NR8040-471M	470	20	1400	0.60	0.48	100KHz/1V	471

Note 1: All test data is referenced to 25°C ambient.

Note 2: I<sub>dc</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause L<sub>0</sub> to drop approximately 30%