

● FEATURES 特性

1.表面贴装,小型、超薄电感器,大功率,高饱和,低电阻之特性.

The inductor designed as surface mounting , smallest and thinnest with high power , high saturation and low resistance

2.磁性胶水涂敷结构极大减少了噪声, 闭合磁路结构设计,漏磁少,抗EMI能力强.

Magnetic-resin shielded structure reduces buzz noise to ultra-low levels , Closed magnetic circuit structure reduces magnetic leakage flux , high performance of anti-EMI .

3.同等尺寸额定电流较传统电感高出30%以上.

Compared with the same size part , the rated current 30% higher than the traditional inductors .

4.工作频率范围广,可达5MHz以上. Wide range working frequency that reach more than 5MHz

5.RoHS , 无卤环保产品. RoHS ,Halogen-free environmental protection products



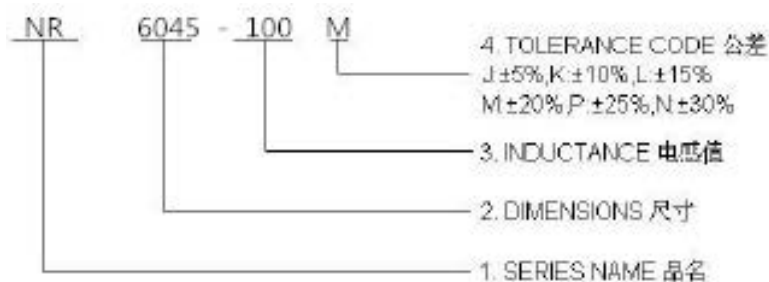
● APPLICATIONS 用途

1. LED Lighting LED 照明

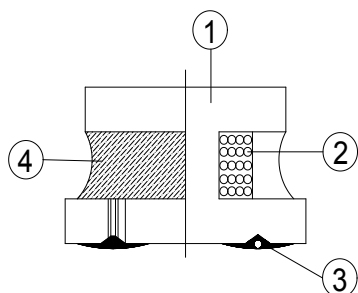
2. Automotive systems 汽车产品

3. Notebooks,desktop computers,servers,graphic cards 笔记本电脑,台式电脑,服务器,显卡

● PART NUMBERING SYSTEM 品名系统



● STRUCTURAL DRAWING 结构图



- | | |
|----------------|---------------------------|
| ① Freeite core | Ni-Zn Ferrite |
| ② Winding wire | Polyurethane-copper wire |
| ③ Electrode | External electrode |
| ④ Epoxy resin | containing ferrite powder |

● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

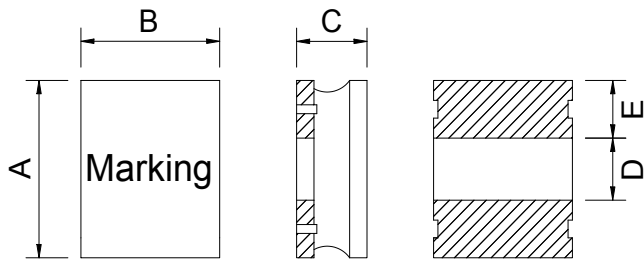


Fig 1

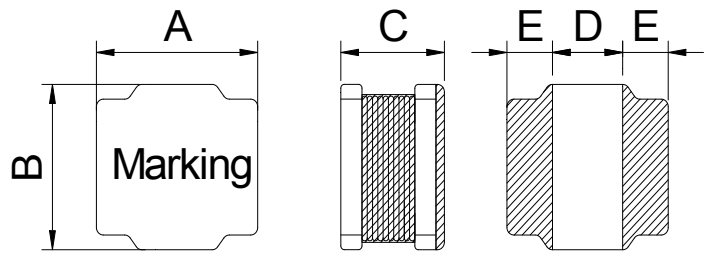


Fig 2

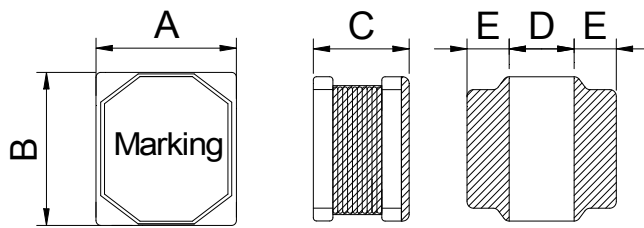
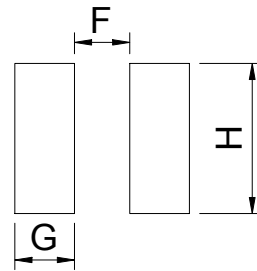


Fig 3



Recommended patterns

TYPE(型号)	A	B	C	D	E	F	G	H	Fig
NR201610	2.0±0.3	1.6±0.3	1.05 Max	0.6±0.2	0.77±0.2	0.6	0.8	1.8	1
NR252010	2.5±0.3	2.0±0.3	1.05 Max	0.8±0.3	0.9±0.3	0.6	1.1	2.0	1
NR252012	2.5±0.3	2.0±0.3	1.25 Max	0.8±0.3	0.9±0.3	0.6	1.1	2.0	1
NR3010	3.0±0.2	3.0±0.2	1.1 Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7	3
NR3012	3.0±0.2	3.0±0.2	1.3 Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7	3
NR3015	3.0±0.2	3.0±0.2	1.7 Max	1.2±0.3	0.9±0.3	1.1	1.0	2.7	3
NR4012	4.0±0.2	4.0±0.2	1.2 Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7	3
NR4018	4.0±0.2	4.0±0.2	1.8 Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7	3
NR4020	4.0±0.2	4.0±0.2	2.0 Max	1.6±0.3	1.2±0.3	1.4	1.3	3.7	3
NR4030	4.0±0.2	4.0±0.2	3.0 Max	1.3±0.3	1.35±0.3	1.2	1.40	3.7	3
NR5020	5.0±0.2	5.0±0.2	2.1 Max	1.4±0.3	1.8±0.3	1.2	1.9	4.2	2
NR5040	5.0±0.2	5.0±0.2	4.0 Max	1.6±0.3	1.7±0.3	1.4	1.8	4.2	3
NR6020	6.0±0.3	6.0±0.3	2.1 Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7	2
NR6028	6.0±0.3	6.0±0.3	3.0 Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7	2
NR6045	6.0±0.3	6.0±0.3	4.7 Max	2.3±0.3	1.85±0.3	2.4	1.8	5.7	2
NR8040	8.0±0.3	8.0±0.3	4.2 Max	3.8±0.3	2.1±0.3	3.6	2.2	7.5	2

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (Max.) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	Marker 印字
NR201610-R47N	0.47 $\pm$ 30%	0.059	2.30	2.35	/
NR201610-R68N	0.68 $\pm$ 30%	0.076	1.95	2.05	/
NR201610-1R0N	1.0 $\pm$ 30%	0.114	1.65	1.45	/
NR201610-1R5N	1.5 $\pm$ 30%	0.174	1.35	1.25	/
NR201610-2R2M	2.2 $\pm$ 20%	0.264	1.20	1.10	/
NR201610-3R3M	3.3 $\pm$ 20%	0.335	0.90	0.88	/
NR201610-4R7M	4.7 $\pm$ 20%	0.479	0.70	0.74	/
NR201610-6R8M	6.8 $\pm$ 20%	0.816	0.60	0.52	/
NR201610-100M	10 $\pm$ 20%	1.020	0.50	0.45	/

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NR252010-1R0N	1.0 $\pm$ 30%	0.108	1.85	1.65	/
NR252010-1R5N	1.5 $\pm$ 30%	0.182	1.80	1.30	/
NR252010-2R2N	2.2 $\pm$ 30%	0.209	1.20	1.20	/
NR252010-3R3M	3.3 $\pm$ 20%	0.328	1.05	0.90	/
NR252010-4R7M	4.7 $\pm$ 20%	0.563	0.95	0.70	/
NR252010-5R6M	5.6 $\pm$ 20%	0.563	0.80	0.73	/
NR252010-6R8M	6.8 $\pm$ 20%	0.896	0.78	0.59	/
NR252010-100M	10 $\pm$ 20%	1.092	0.65	0.50	/
NR252010-150M	15 $\pm$ 20%	1.885	0.46	0.36	/
NR252010-220M	22 $\pm$ 20%	2.400	0.45	0.30	/

Remark: 1. Inductance Tested at 1MHz, 0.25Vrms (20℃)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^{\circ}\text{C} \sim +125^{\circ}\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR (Max.) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	Marker 印字
NR252012-R47N	0.47 $\pm$ 30%	0.061	3.82	2.15	/
NR252012-R68N	0.68 $\pm$ 30%	0.074	3.28	1.95	/
NR252012-1R0N	1.0 $\pm$ 30%	0.09	2.59	1.93	/
NR252012-1R0N	1.2 $\pm$ 30%	0.129	2.38	1.46	/
NR252012-1R5N	1.5 $\pm$ 30%	0.147	2.24	1.40	/
NR252012-2R2N	2.2 $\pm$ 30%	0.216	1.85	1.15	/
NR252012-3R3M	3.3 $\pm$ 20%	0.264	1.61	1.04	/
NR252012-4R7M	4.7 $\pm$ 20%	0.377	1.12	0.84	/
NR252012-5R6M	5.6 $\pm$ 20%	0.538	1.11	0.73	/
NR252012-6R8M	6.8 $\pm$ 20%	0.581	0.98	0.69	/
NR252012-8R2M	8.2 $\pm$ 20%	0.658	0.98	0.65	/
NR252012-100M	10 $\pm$ 20%	0.69	0.79	0.62	/
NR252012-120M	12 $\pm$ 20%	1.075	0.78	0.51	/
NR252012-150M	15 $\pm$ 20%	1.591	0.68	0.42	/
NR252012-220M	22 $\pm$ 20%	1.976	0.53	0.38	/

Remark: 1. Inductance Tested at 1MHz, 0.25Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;
3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.
4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm$ 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR3010-1R0N	1.0 $\pm$ 30%	0.065	1.40	1.45	180
NR3010-1R5N	1.5 $\pm$ 30%	0.080	1.27	1.30	120
NR3010-2R2N	2.2 $\pm$ 30%	0.110	1.15	1.09	100
NR3010-3R3M	3.3 $\pm$ 20%	0.145	0.97	0.96	74
NR3010-4R7M	4.7 $\pm$ 20%	0.225	0.75	0.77	59
NR3010-6R8M	6.8 $\pm$ 20%	0.305	0.55	0.66	42
NR3010-100M	10 $\pm$ 20%	0.400	0.55	0.58	39
NR3010-150M	15 $\pm$ 20%	0.610	0.42	0.47	30
NR3010-220M	22 $\pm$ 20%	0.930	0.35	0.38	28
NR3010-330M	33 $\pm$ 20%	1.550	0.29	0.30	18
NR3010-470M	47 $\pm$ 20%	1.950	0.22	0.26	18

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NR3012-1R0N	1.0 $\pm$ 30%	0.040	1.87	2.20	120
NR3012-1R5N	1.5 $\pm$ 30%	0.045	1.62	2.01	110
NR3012-2R2N	2.2 $\pm$ 30%	0.075	1.20	1.55	84
NR3012-3R3M	3.3 $\pm$ 20%	0.100	1.05	1.36	64
NR3012-4R7M	4.7 $\pm$ 20%	0.120	0.90	1.24	61
NR3012-6R8M	6.8 $\pm$ 20%	0.190	0.75	0.98	61
NR3012-100M	10 $\pm$ 20%	0.265	0.60	0.83	42
NR3012-150M	15 $\pm$ 20%	0.360	0.45	0.71	27
NR3012-220M	22 $\pm$ 20%	0.645	0.42	0.53	23
NR3012-330M	33 $\pm$ 20%	0.875	0.36	0.46	18
NR3012-470M	47 $\pm$ 20%	1.450	0.27	0.35	14
NR3012-680M	68 $\pm$ 20%	1.670	0.24	0.33	12

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^{\circ}\text{C} \sim +125^{\circ}\text{C}$

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PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR3015-1R0N	1.0 $\pm 30\%$	0.039	2.32	2.35	150
NR3015-1R2N	1.2 $\pm 30\%$	0.040	2.21	1.95	110
NR3015-1R5N	1.5 $\pm 30\%$	0.050	2.00	1.70	100
NR3015-1R8N	1.8 $\pm 30\%$	0.050	1.75	1.70	92
NR3015-2R2N	2.2 $\pm 30\%$	0.060	1.60	1.60	86
NR3015-3R3M	3.3 $\pm 20\%$	0.080	1.32	1.36	68
NR3015-4R7M	4.7 $\pm 20\%$	0.125	1.10	1.09	46
NR3015-6R8M	6.8 $\pm 20\%$	0.200	0.85	0.85	39
NR3015-100M	10 $\pm 20\%$	0.250	0.72	0.77	41
NR3015-120M	12 $\pm 20\%$	0.320	0.70	0.68	32
NR3015-150M	15 $\pm 20\%$	0.350	0.66	0.65	30
NR3015-180M	18 $\pm 20\%$	0.430	0.56	0.59	23
NR3015-220M	22 $\pm 20\%$	0.460	0.52	0.57	23
NR3015-330M	33 $\pm 20\%$	0.820	0.44	0.43	20
NR3015-470M	47 $\pm 20\%$	1.250	0.35	0.35	14

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

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PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR4012-R82N	0.82 $\pm 30\%$	0.050	3.02	1.65	150
NR4012-1R0N	1.0 $\pm 30\%$	0.050	2.61	1.65	120
NR4012-1R5N	1.5 $\pm 30\%$	0.065	2.10	1.46	90
NR4012-1R8N	1.8 $\pm 30\%$	0.080	2.12	1.32	88
NR4012-2R2N	2.2 $\pm 30\%$	0.080	1.76	1.32	74
NR4012-3R3N	3.3 $\pm 30\%$	0.110	1.72	1.12	60
NR4012-4R7N	4.7 $\pm 30\%$	0.125	1.15	1.05	50
NR4012-6R8M	6.8 $\pm 20\%$	0.198	0.85	0.84	40
NR4012-100M	10 $\pm 20\%$	0.265	0.80	0.77	33
NR4012-120M	12 $\pm 20\%$	0.290	0.66	0.70	32
NR4012-150M	15 $\pm 20\%$	0.340	0.56	0.64	25
NR4012-220M	22 $\pm 20\%$	0.587	0.46	0.49	20
NR4012-330M	33 $\pm 20\%$	0.810	0.42	0.42	17
NR4012-470M	47 $\pm 20\%$	1.100	0.35	0.37	12
NR4012-680M	68 $\pm 20\%$	1.950	0.38	0.27	11
NR4012-820M	82 $\pm 20\%$	2.140	0.28	0.26	11
NR4012-101M	100 $\pm 20\%$	2.210	0.25	0.25	9.4

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

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4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

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PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR4018-1R0N	1.0 $\pm 30\%$	0.025	4.20	2.00	80
NR4018-1R5N	1.5 $\pm 30\%$	0.030	3.35	1.80	65
NR4018-2R2M	2.2 $\pm 20\%$	0.045	2.70	1.65	52
NR4018-3R3M	3.3 $\pm 20\%$	0.070	2.45	1.23	44
NR4018-4R7M	4.7 $\pm 20\%$	0.090	1.70	1.20	34
NR4018-6R8M	6.8 $\pm 20\%$	0.110	1.45	1.06	29
NR4018-100M	10 $\pm 20\%$	0.180	1.30	0.84	24
NR4018-150M	15 $\pm 20\%$	0.250	0.94	0.65	19
NR4018-220M	22 $\pm 20\%$	0.360	0.80	0.59	16
NR4018-330M	33 $\pm 20\%$	0.530	0.56	0.49	12
NR4018-470M	47 $\pm 20\%$	0.650	0.57	0.42	10
NR4018-680M	68 $\pm 20\%$	1.000	0.47	0.32	8.3
NR4018-101M	100 $\pm 20\%$	1.750	0.40	0.25	6.5
NR4018-151M	150 $\pm 20\%$	2.500	0.31	0.22	5.5
NR4018-221M	220 $\pm 20\%$	4.000	0.27	0.17	4.0
NR4018-331M	330 $\pm 20\%$	6.500	0.20	0.14	2.2

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

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PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR4020-1R0N	1.0 $\pm 30\%$	0.029	4.78	2.15	75
NR4020-1R2N	1.2 $\pm 30\%$	0.029	5.10	2.15	72
NR4020-1R5N	1.5 $\pm 30\%$	0.035	4.45	1.98	71
NR4020-2R2N	2.2 $\pm 30\%$	0.040	3.40	1.85	49
NR4020-3R3M	3.3 $\pm 20\%$	0.070	3.20	1.40	44
NR4020-4R7M	4.7 $\pm 20\%$	0.075	2.35	1.34	42
NR4020-5R6M	5.6 $\pm 20\%$	0.090	2.20	1.22	30
NR4020-6R8M	6.8 $\pm 20\%$	0.125	2.00	1.04	33
NR4020-8R2M	8.2 $\pm 20\%$	0.125	1.75	1.04	27
NR4020-100M	10 $\pm 20\%$	0.165	1.60	0.90	26
NR4020-150M	15 $\pm 20\%$	0.230	1.35	0.77	24
NR4020-220M	22 $\pm 20\%$	0.350	1.05	0.62	15
NR4020-330M	33 $\pm 20\%$	0.550	0.85	0.49	11
NR4020-470M	47 $\pm 20\%$	0.710	0.74	0.44	10
NR4020-560M	56 $\pm 20\%$	0.800	0.66	0.41	10
NR4020-680M	68 $\pm 20\%$	1.060	0.61	0.36	7.7
NR4020-820M	82 $\pm 20\%$	1.170	0.50	0.34	7.2
NR4020-101M	100 $\pm 20\%$	1.550	0.48	0.31	6.3

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

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NR4030-1R0N	1.0 $\pm 30\%$	0.016	5.26	4.14	70
NR4030-1R5N	1.5 $\pm 30\%$	0.020	4.84	3.34	62
NR4030-2R2N	2.2 $\pm 30\%$	0.030	4.40	2.95	52
NR4030-3R3M	3.3 $\pm 20\%$	0.040	3.30	2.40	38
NR4030-4R7M	4.7 $\pm 20\%$	0.060	2.90	2.00	31
NR4030-6R8M	6.8 $\pm 20\%$	0.090	2.75	1.60	24
NR4030-100M	10 $\pm 20\%$	0.100	1.95	1.50	21
NR4030-150M	15 $\pm 20\%$	0.190	1.65	1.11	16
NR4030-220M	22 $\pm 20\%$	0.225	1.30	1.00	10
NR4030-330M	33 $\pm 20\%$	0.330	1.10	0.84	10
NR4030-470M	47 $\pm 20\%$	0.445	0.95	0.72	8.4
NR4030-680M	68 $\pm 20\%$	0.868	0.72	0.52	7
NR4030-101M	100 $\pm 20\%$	1.150	0.60	0.45	5.6
NR4030-151M	150 $\pm 20\%$	1.800	0.50	0.3	4
NR4030-221M	220 $\pm 20\%$	2.500	0.40	0.35	4.2
NR4030-331M	330 $\pm 20\%$	4.000	0.30	0.25	6.8
NR4030-471M	470 $\pm 20\%$	7.200	0.30	0.2	2
NR4030-681M	680 $\pm 20\%$	7.580	0.19	0.14	1.2

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4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR5020-1R0N	1.0 $\pm 30\%$	0.020	4.10	3.80	114
NR5020-1R5N	1.5 $\pm 30\%$	0.030	4.10	3.20	68
NR5020-2R2N	2.2 $\pm 30\%$	0.040	3.20	2.70	57
NR5020-3R3N	3.3 $\pm 30\%$	0.050	2.55	2.30	46
NR5020-4R7M	4.7 $\pm 20\%$	0.057	2.50	2.20	37
NR5020-6R8M	6.8 $\pm 20\%$	0.083	2.05	1.80	30
NR5020-8R2M	8.2 $\pm 20\%$	0.098	1.85	1.65	26
NR5020-100M	10 $\pm 20\%$	0.120	1.70	1.55	24
NR5020-150M	15 $\pm 20\%$	0.165	1.35	1.25	20
NR5020-180M	18 $\pm 20\%$	0.200	1.25	1.15	16
NR5020-220M	22 $\pm 20\%$	0.250	1.15	1.10	14
NR5020-330M	33 $\pm 20\%$	0.400	0.92	0.90	10
NR5020-470M	47 $\pm 20\%$	0.580	0.77	0.75	7
NR5020-680M	68 $\pm 20\%$	0.740	0.65	0.64	6
NR5020-101M	100 $\pm 20\%$	1.100	0.53	0.40	6

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR5040-1R0N	1.0 $\pm 30\%$	0.012	7.35	4.90	117
NR5040-1R2N	1.2 $\pm 30\%$	0.016	6.50	4.15	110
NR5040-1R5N	1.5 $\pm 30\%$	0.018	6.30	4.00	86
NR5040-2R2N	2.2 $\pm 30\%$	0.019	4.90	3.80	50
NR5040-3R3N	3.3 $\pm 30\%$	0.024	3.95	3.40	32
NR5040-4R7M	4.7 $\pm 20\%$	0.032	3.50	3.00	28
NR5040-5R6M	5.6 $\pm 20\%$	0.035	3.00	2.80	27
NR5040-6R8M	6.8 $\pm 20\%$	0.043	2.90	2.50	21
NR5040-100M	10 $\pm 20\%$	0.064	2.35	2.10	18
NR5040-150M	15 $\pm 20\%$	0.086	2.00	2.00	13
NR5040-220M	22 $\pm 20\%$	0.129	1.60	1.50	11
NR5040-330M	33 $\pm 20\%$	0.188	1.30	1.20	9.1
NR5040-470M	47 $\pm 20\%$	0.272	1.10	1.00	6.7
NR5040-680M	68 $\pm 20\%$	0.400	0.90	0.80	5.7
NR5040-101M	100 $\pm 20\%$	0.560	0.75	0.70	4.7
NR5040-151M	150 $\pm 20\%$	0.750	0.65	0.60	5
NR5040-221M	220 $\pm 20\%$	1.280	0.40	0.38	3
NR5040-102M	1000 $\pm 20\%$	6.200	0.25	0.25	2
NR5040-222M	2200 $\pm 20\%$	13.000	0.10	0.10	2

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25℃ ambient.

4. Operating Temperature : -25℃ ~ +125℃

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR6020-R68N	0.68 $\pm 30\%$	0.017	6.55	3.80	115
NR6020-R82N	0.82 $\pm 30\%$	0.017	5.30	3.80	110
NR6020-1R0N	1.0 $\pm 30\%$	0.020	4.15	3.50	100
NR6020-1R5N	1.5 $\pm 30\%$	0.022	4.25	3.20	79
NR6020-2R2N	2.2 $\pm 30\%$	0.028	3.75	2.75	61
NR6020-3R3N	3.3 $\pm 30\%$	0.035	3.15	2.60	51
NR6020-4R7M	4.7 $\pm 20\%$	0.058	3.00	2.00	41
NR6020-6R8M	6.8 $\pm 20\%$	0.079	2.20	1.80	31
NR6020-100M	10 $\pm 20\%$	0.105	1.75	1.40	27
NR6020-120M	12 $\pm 20\%$	0.120	1.45	1.30	25
NR6020-150M	15 $\pm 20\%$	0.145	1.20	1.20	21
NR6020-180M	18 $\pm 20\%$	0.180	1.20	1.08	18
NR6020-220M	22 $\pm 20\%$	0.204	1.05	1.00	16
NR6020-330M	33 $\pm 20\%$	0.300	0.95	0.84	11
NR6020-470M	47 $\pm 20\%$	0.430	0.70	0.80	10

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25℃ ambient.

4. Operating Temperature : -25℃ ~ +125℃

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm$ 30%) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR6028-1R0N	1.0 $\pm$ 30%	0.012	5.75	5.20	70
NR6028-1R5N	1.5 $\pm$ 30%	0.015	6.00	4.58	65
NR6028-2R2N	2.2 $\pm$ 30%	0.020	5.10	3.75	48
NR6028-3R3N	3.3 $\pm$ 30%	0.025	4.15	3.48	41
NR6028-4R7N	4.7 $\pm$ 30%	0.030	3.00	3.08	35
NR6028-6R8M	6.8 $\pm$ 20%	0.047	2.60	2.40	27
NR6028-100M	10 $\pm$ 20%	0.072	2.04	1.95	23
NR6028-120M	12 $\pm$ 20%	0.080	1.80	1.85	18
NR6028-150M	15 $\pm$ 20%	0.125	1.75	1.45	18
NR6028-180M	18 $\pm$ 20%	0.120	1.52	1.45	15
NR6028-220M	22 $\pm$ 20%	0.140	1.45	1.40	14
NR6028-330M	33 $\pm$ 20%	0.185	1.35	1.22	12
NR6028-470M	47 $\pm$ 20%	0.315	1.15	1.06	9.5
NR6028-680M	68 $\pm$ 20%	0.360	0.80	0.86	7.7
NR6028-820M	82 $\pm$ 20%	0.500	0.80	0.70	7.7
NR6028-101M	100 $\pm$ 20%	0.500	0.65	0.70	7.1
NR6028-102M	1000 $\pm$ 20%	5.800	0.18	0.20	1.5

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR6045-1R0N	1.0 $\pm 30\%$	0.011	9.85	5.14	100
NR6045-1R5N	1.5 $\pm 30\%$	0.012	8.80	4.95	65
NR6045-2R2N	2.2 $\pm 30\%$	0.014	6.75	4.60	52
NR6045-3R3N	3.3 $\pm 30\%$	0.024	5.90	3.70	32
NR6045-4R7M	4.7 $\pm 20\%$	0.031	4.97	3.30	24
NR6045-6R8M	6.8 $\pm 20\%$	0.035	3.90	3.00	20
NR6045-100M	10 $\pm 20\%$	0.048	3.20	2.45	15
NR6045-150M	15 $\pm 20\%$	0.068	2.50	2.05	12
NR6045-220M	22 $\pm 20\%$	0.089	2.05	1.80	10
NR6045-330M	33 $\pm 20\%$	0.137	1.65	1.45	7.8
NR6045-470M	47 $\pm 20\%$	0.200	1.40	1.20	6.4
NR6045-560M	56 $\pm 20\%$	0.221	1.30	1.10	6.4
NR6045-680M	68 $\pm 20\%$	0.289	1.20	1.00	6.4
NR6045-101M	100 $\pm 20\%$	0.433	0.95	0.80	4.2
NR6045-121M	120 $\pm 20\%$	0.484	0.85	0.77	4.2
NR6045-151M	150 $\pm 20\%$	0.580	0.80	0.70	4.2
NR6045-221M	220 $\pm 20\%$	0.834	0.70	0.59	3.5
NR6045-331M	330 $\pm 20\%$	1.270	0.57	0.57	2.8
NR6045-471M	470 $\pm 20\%$	1.800	0.50	0.42	2
NR6045-681M	680 $\pm 20\%$	2.500	0.42	0.33	1.7
NR6045-102M	1000 $\pm 20\%$	4.500	0.30	0.30	1.4
NR6045-152M	1500 $\pm 20\%$	6.500	0.24	0.21	0.8

Remark: 1. Inductance Tested at 100kHz, 1Vrms (20℃)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● SPECIFICATION TABLE:

PART NUMBER 品名	INDUCTANCE (μ H) 电感值	DCR ($\pm 30\%$) (Ω) 直流电阻	Isat (Max.) (A) 饱和电流	Irms (Max.) (A) 额定电流	S.R.F.(Min.) (MHz) 自谐频率
NR8040-R82N	0.82 $\pm 30\%$	0.008	13.80	6.30	94
NR8040-1R0N	1.0 $\pm 30\%$	0.008	9.85	6.30	89
NR8040-1R5N	1.5 $\pm 30\%$	0.010	8.15	5.65	67
NR8040-2R2N	2.2 $\pm 30\%$	0.012	7.10	5.15	41
NR8040-3R3N	3.3 $\pm 30\%$	0.017	6.50	4.40	27
NR8040-4R7N	4.7 $\pm 30\%$	0.019	5.90	4.10	24
NR8040-6R8M	6.8 $\pm 20\%$	0.024	4.55	3.60	20
NR8040-8R2M	8.2 $\pm 20\%$	0.026	4.20	3.45	17
NR8040-100M	10 $\pm 20\%$	0.042	3.60	3.30	15
NR8040-150M	15 $\pm 20\%$	0.047	2.95	2.60	12
NR8040-180M	18 $\pm 20\%$	0.053	2.70	2.40	11
NR8040-220M	22 $\pm 20\%$	0.069	2.40	2.10	9.5
NR8040-330M	33 $\pm 20\%$	0.097	2.05	1.80	7.8
NR8040-470M	47 $\pm 20\%$	0.136	1.75	1.55	6.4
NR8040-680M	68 $\pm 20\%$	0.196	1.45	1.25	4.9
NR8040-820M	82 $\pm 20\%$	0.225	1.30	1.15	4.9
NR8040-101M	100 $\pm 20\%$	0.290	1.15	1.00	4.2
NR8040-121M	120 $\pm 20\%$	0.334	1.05	0.95	3.5
NR8040-151M	150 $\pm 20\%$	0.410	1.10	0.85	3.5
NR8040-221M	220 $\pm 20\%$	0.599	0.85	0.80	3.5
NR8040-331M	330 $\pm 20\%$	0.889	0.68	0.64	2.8
NR8040-471M	470 $\pm 20\%$	1.260	0.60	0.54	2.1
NR8040-681M	680 $\pm 20\%$	2.040	0.50	0.45	1.7
NR8040-102M	1000 $\pm 20\%$	2.800	0.40	0.35	1.4

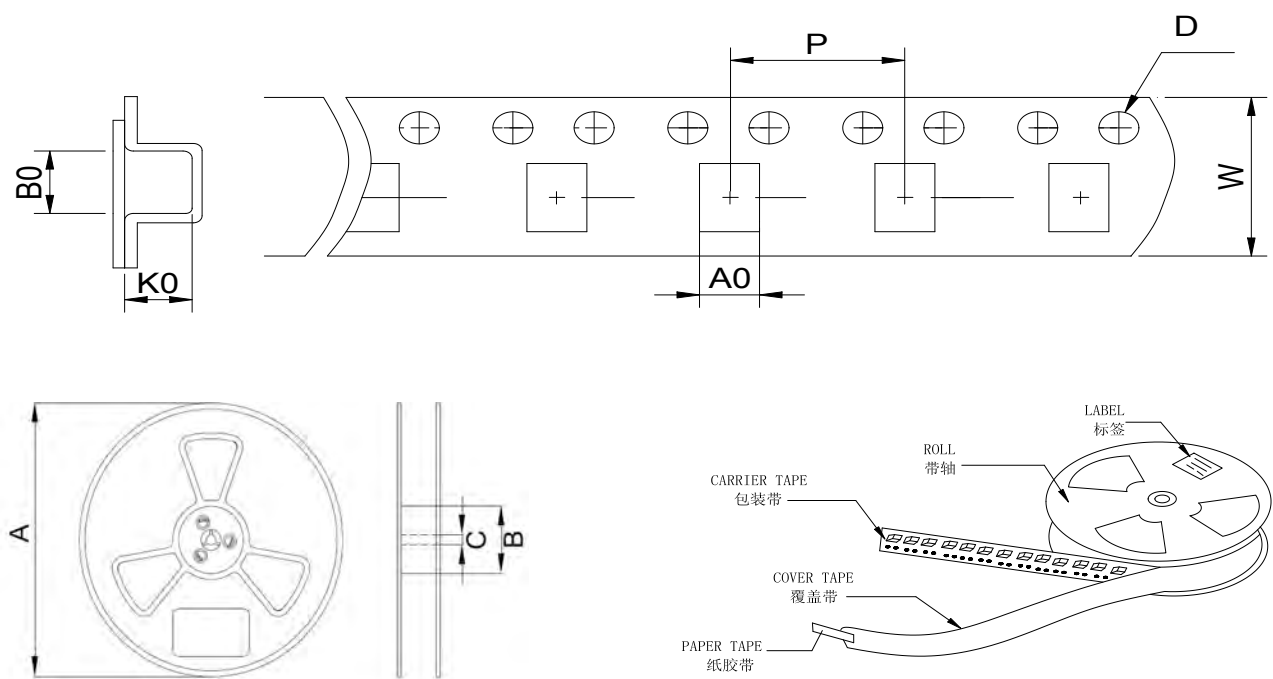
Remark: 1. Inductance Tested at 100kHz, 1Vrms (20°C)

2. Isat: DC current at which the inductance drops approximate 30% from its value without current;

3. Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 25°C ambient.

4. Operating Temperature : $-25^\circ\text{C} \sim +125^\circ\text{C}$

● PACKAGING SPECIFICATION :



Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
NR201610	8	1.9	2.3	1.2	1.5	4	178	58	13	2000
NR252010	8	2.4	2.9	1.25	1.5	4	178	58	13	2000
NR252012	8	2.35	2.65	1.6	1.5	4	178	58	13	2000
NR3010	8	3.3	3.3	1.4	1.5	4	178	58	13	2000
NR3012	8	3.3	3.3	1.6	1.5	4	178	58	13	2000
NR3015	8	3.3	3.3	1.9	1.5	4	178	58	13	2000
NR4012	12	4.3	4.3	1.4	1.5	8	330	100	13	4500
NR4018	12	4.3	4.3	2.2	1.5	8	330	100	13	3000
NR4020	12	4.3	4.3	2.4	1.5	8	330	100	13	3000
NR4030	12	4.3	4.3	3.4	1.5	8	330	100	13	2000
NR5020	12	5.4	5.4	2.4	1.5	8	330	100	13	3000
NR5040	12	5.4	5.4	4.4	1.5	8	330	100	13	1500
NR6020	16	6.4	6.4	2.4	1.5	8	330	100	13	2500
NR6028	16	6.4	6.4	3.2	1.5	8	330	100	13	2000
NR6045	16	6.4	6.4	4.8	1.5	8	330	100	13	1500
NR8040	16	8.4	8.4	4.4	1.5	12	330	100	13	1000