



承认书

Approval Sheet

客户名称:

Customer

/

产品名称:

屏蔽式磁胶功率电感器

Part Name

Sealed Type High Current Power Inductor

产品规格:

Specification

JNR Series

版本号:

Version No.

A/0

日期:

Date

2020-7-3

制造Manufacturer			客户Customer		
拟制	审核	确认	检验	审核	批准
Draft by	Checked by	Approve by	Check by	Checked by	Approval by
周昶	杨岚	唐涛			



履 历 表 Resume

[illegible]

序号No	目 录 TABLE OF CONTENTS
1	产品指南Products Guide
2	特征Characteristics
3	应用Application
4	形状和尺寸Shape And Dimensions
5	规格Specifications
6	可靠性测试Reliability testing
7	产品包装 Packaging
8	使用注意事项Reminders For Using These Products

产品指南Products Guide

Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)
Sealed Type High Current Power Inductor 磁胶电感		JNR	201610	0.24-22	0.32-2.8	0.32-3.7
			252010	0.24-15	0.45-2.75	0.5-3.6
			252012	0.24-22	0.48-4.1	0.45-4.1
			3010	1-56	0.24-1.45	0.21-1.4
			3012	0.22-100	0.25-3	0.21-5.3
			3015	0.5-150	0.19-2.6	0.18-3.9
			4010	1-22	0.5-1.9	0.45-2
			4012	0.82-100	0.25-1.65	0.25-3.02
			4018	0.47-22	0.17-4	0.27-4.3
			4020	0.24-100	0.31-4.5	0.48-10.5
			4030	0.68-470	0.2-4.56	0.3-6.8
			5012	1-22	0.6-2	0.88-4.4
			5020	0.47-47	0.77-4.6	0.77-6.15
			5040	1-1000	0.2-4.9	0.21-7.35
			6020	0.5-330	0.33-4	0.27-4.5
			6028	0.82-1000	0.23-5.2	0.18-6.5
			6045	0.47-10000	0.07-6.5	0.1-15
			8040	0.85-1500	0.26-6.3	0.32-13.8
			8060	2.2-1000	0.37-5.7	0.6-8
			8065	6.8-10000	0.11-4.3	0.17-7.5
			1050	4.7-1000	0.5-4.6	0.8-10.3

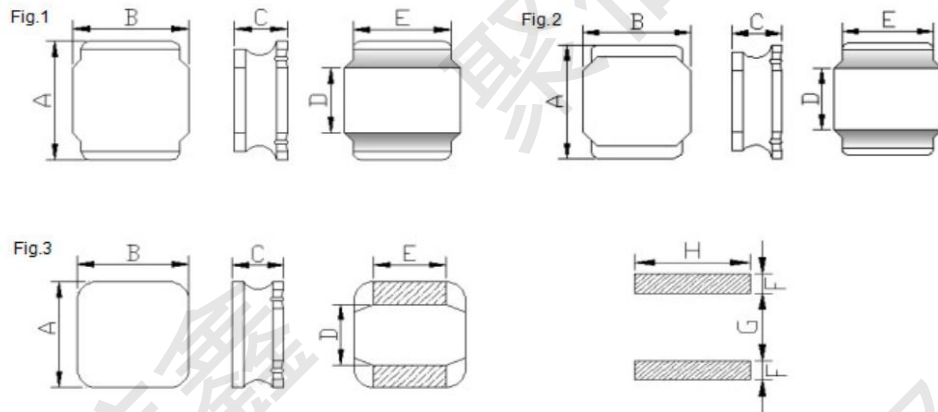
Characteristics特征

- 铁氧体材料，磁性胶水涂敷，闭磁结构；
- 闭磁结构，漏磁小，抗EMI能力强；
- 磁材上金属化电极，抗跌落冲击强，经久耐用；
- 电流特性较同等尺寸传统电感高30%；
- 节省空间，节省用电。

Application应用

- 智能手机，智能电视，机顶盒；
- 车载导航影音；
- 通讯设备；
- 虚拟现实设备；
- LED照明。

形状和尺寸 Shape And Dimensions (Unit: mm)



Size 型号	Shape	A	B	C (Max)	D	E (Ref.)	F(Ref.)	G(Ref.)	H(Ref.)
JNR201610	Fig.1	2.0±0.2	1.6±0.2	1.05	0.8±0.2	1.6	0.7	0.7	1.6
JNR252010	Fig.1	2.5±0.2	2.0±0.2	1.05	0.8±0.2	2	0.85	0.8	2
JNR252012	Fig.1	2.5±0.2	2.0±0.2	1.2	0.8±0.2	2	0.85	0.8	2
JNR3010	Fig.2	3.0±0.2	3.0±0.2	1	1.5±0.2	2.5	0.8	1.5	2.7
JNR3012	Fig.2	3.0±0.2	3.0±0.2	1.2	1.5±0.2	2.5	0.8	1.5	2.7
JNR3015	Fig.1	3.0±0.2	3.0±0.2	1.5	1.5±0.2	2.5	0.8	1.5	2.7
JNR4010	Fig.2	4.0±0.2	4.0±0.2	1	2.1±0.2	3.3	1.1	1.9	3.7
JNR4012	Fig.2	4.0±0.2	4.0±0.2	1.2	2.1±0.2	3.3	1.1	1.9	3.7
JNR4018	Fig.1	4.0±0.2	4.0±0.2	1.8	2.1±0.2	3.3	1.1	1.9	3.7
JNR4020	Fig.1	4.0±0.2	4.0±0.2	2	2.1±0.2	3.3	1.1	1.9	3.7
JNR4030	Fig.1	4.0±0.2	4.0±0.2	3	2.1±0.2	3.3	1.1	1.9	3.7
JNR5012	Fig.2	5.0±0.2	5.0±0.2	1.2	2.5±0.2	4	1.4	2.3	4.2
JNR5020	Fig.1	5.0±0.2	5.0±0.2	2	2.5±0.2	4	1.4	2.3	4.2
JNR5030	Fig.1	5.0±0.2	5.0±0.2	3	2.5±0.2	4	1.4	2.3	4.2
JNR5040	Fig.1	5.0±0.2	5.0±0.2	4	2.5±0.2	4	1.4	2.3	4.2
JNR6020	Fig.1	6.0±0.3	6.0±0.3	2	2.9±0.3	4.9	1.7	2.8	5.7
JNR6028	Fig.1	6.0±0.3	6.0±0.3	2.8	2.9±0.3	4.9	1.7	2.8	5.7
JNR6045	Fig.1	6.0±0.3	6.0±0.3	4.5	2.9±0.3	4.9	1.7	2.8	5.7
JNR8040	Fig.1	8.0±0.3	8.0±0.3	4.2	4.0±0.3	6.3	2.2	3.8	7.5
JNR8060	Fig.1	8.0±0.3	8.0±0.3	6	4.0±0.3	6.3	2.2	3.8	7.5
JNR8065	Fig.1	8.0±0.3	8.0±0.3	6.5	4.0±0.3	6.3	2.2	3.8	7.5
JNR1050	Fig.3	10.0±0.3	10.0±0.3	5	6.5±0.3	4.5	2.2	6.2	5.4

Product Spec. Model 产品品名构成

JNR 3015 T 1R0 M
 (1) (2) (3) (4) (5)

- (1)Product symbol系列代号
(2)Dimensions外形尺寸
(3)Shape产品外形 (T: 12-Sided, B: 8-Sided, S: 4-Sided)
(4)Inductance电感量: 1R0:1.0 μ H 100:10 μ H 101:100 μ H;
(5)Tolerance公差: J/K/L/M/N 5% /10% /15% /20% /30%;

Specifications规格

JNR201610 Series

产品料号	L0 (μ H)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR201610S-R24M	0.24	1/0.25	0.04	3.7	2.8
JNR201610S-R47M	0.47	1/0.25	0.06	2.3	2.3
JNR201610S-R68M	0.68	1/0.25	0.076	1.95	2
JNR201610S-1R0M	1	1/0.25	0.114	1.65	1.45
JNR201610S-1R5M	1.5	1/0.25	0.174	1.35	1.1
JNR201610S-2R2M	2.2	1/0.25	0.265	1.2	1.05
JNR201610S-3R3M	3.3	1/0.25	0.345	1	0.85
JNR201610S-4R7M	4.7	1/0.25	0.48	0.75	0.7
JNR201610S-6R8M	6.8	1/0.25	0.8	0.7	0.55
JNR201610S-100M	10	1/0.25	1	0.65	0.5
JNR201610S-220M	22	1/0.25	1.7	0.32	0.32

JNR252010 Series

产品料号	L0 (μ H)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR252010S-R24M	0.24	100/0.25	0.034	3.6	2.75
JNR252010S-R33M	0.33	100/0.25	0.043	3.6	2.45
JNR252010S-R47M	0.47	100/0.25	0.044	2.8	2.4
JNR252010S-R68M	0.68	100/0.25	0.062	2.75	2.1
JNR252010S-1R0M	1	100/0.25	0.08	2.05	1.85
JNR252010S-1R5M	1.5	100/0.25	0.108	1.7	1.55
JNR252010S-2R2M	2.2	100/0.25	0.15	1.5	1.35
JNR252010S-3R3M	3.3	100/0.25	0.228	1.1	1.05
JNR252010S-4R7M	4.7	100/0.25	0.33	1	0.9
JNR252010S-5R6M	5.6	100/0.25	0.48	0.9	0.8
JNR252010S-6R8M	6.8	100/0.25	0.48	0.8	0.72
JNR252010S-100M	10	100/0.25	0.6	0.65	0.67
JNR252010S-150M	15	100/0.25	0.95	0.5	0.45

Note:

- 1、Tolerance: N: $\pm$ 30%, M: $\pm$ 20%, K: $\pm$ 10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR252012 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR252012S-R24M	0.24	1/0.25	0.023	4.1	4.1
JNR252012S-R33M	0.33	1/0.25	0.031	4	3.35
JNR252012S-R47M	0.47	1/0.25	0.036	3.8	3
JNR252012S-R68M	0.68	1/0.25	0.047	3	2.3
JNR252012S-1R0M	1	1/0.25	0.06	2.25	2.3
JNR252012S-1R5M	1.5	1/0.25	0.09	2	1.8
JNR252012S-2R2M	2.2	1/0.25	0.108	1.75	1.75
JNR252012S-3R3M	3.3	1/0.25	0.156	1.2	1.4
JNR252012S-4R7M	4.7	1/0.25	0.228	1.1	1.1
JNR252012S-5R6M	5.6	1/0.25	0.33	1	1
JNR252012S-6R8M	6.8	1/0.25	0.36	0.9	0.95
JNR252012S-100M	10	1/0.25	0.522	0.7	0.78
JNR252012S-220M	22	1/0.25	1.29	0.45	0.48

JNR3010 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR3010B-1R0N	1	100/0.25	0.085	1.4	1.45
JNR3010B-1R2N	1.2	100/0.25	0.085	1.25	1.45
JNR3010B-1R5N	1.5	100/0.25	0.104	1.27	1.3
JNR3010B-2R2N	2.2	100/0.25	0.143	1.15	1.09
JNR3010B-2R7N	2.7	100/0.25	0.169	1	1.02
JNR3010B-3R3N	3.3	100/0.25	0.189	0.97	0.96
JNR3010B-3R6N	3.6	100/0.25	0.215	0.95	0.9
JNR3010B-4R7M	4.7	100/0.25	0.293	0.75	0.77
JNR3010B-5R6M	5.6	100/0.25	0.322	0.58	0.7
JNR3010B-6R8M	6.8	100/0.25	0.397	0.55	0.66
JNR3010B-8R2M	8.2	100/0.25	0.52	0.55	0.58
JNR3010B-100M	10	100/0.25	0.52	0.55	0.58
JNR3010B-120M	12	100/0.25	0.657	0.43	0.52
JNR3010B-150M	15	100/0.25	0.793	0.42	0.47
JNR3010B-220M	22	100/0.25	1.209	0.35	0.38
JNR3010B-270M	27	100/0.25	1.404	0.3	0.35
JNR3010B-330M	33	100/0.25	2.015	0.29	0.3
JNR3010B-390M	39	100/0.25	2.275	0.28	0.28
JNR3010B-430M	43	100/0.25	2.34	0.23	0.27
JNR3010B-470M	47	100/0.25	2.535	0.22	0.26
JNR3010B-510M	51	100/0.25	2.86	0.21	0.25
JNR3010B-560M	56	100/0.25	3.016	0.21	0.24

Note:

- 1、Tolerance: N:±30%, M:±20%, K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR3012 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR3012B-R22N	0.22	100/0.25	0.022	5.3	3
JNR3012B-R82N	0.82	100/0.25	0.039	2.05	2.47
JNR3012B-1R0N	1	100/0.25	0.052	1.87	2.2
JNR3012B-1R2N	1.2	100/0.25	0.059	2.22	2.01
JNR3012B-1R5N	1.5	100/0.25	0.059	1.62	2.01
JNR3012B-1R8N	1.8	100/0.25	0.082	1.3	1.65
JNR3012B-2R2N	2.2	100/0.25	0.098	1.2	1.55
JNR3012B-2R4N	2.4	100/0.25	0.088	1.15	1.6
JNR3012B-2R7N	2.7	100/0.25	0.11	1.14	1.48
JNR3012B-3R3M	3.3	100/0.25	0.13	1.05	1.36
JNR3012B-3R6M	3.6	100/0.25	0.13	1.05	1.36
JNR3012B-3R9M	3.9	100/0.25	0.189	1	1.24
JNR3012B-4R7M	4.7	100/0.25	0.156	0.9	1.24
JNR3012B-5R6M	5.6	100/0.25	0.226	0.8	1.13
JNR3012B-6R8M	6.8	100/0.25	0.247	0.75	0.98
JNR3012B-100M	10	100/0.25	0.345	0.6	0.83
JNR3012B-120M	12	100/0.25	0.449	0.48	0.73
JNR3012B-150M	15	100/0.25	0.468	0.45	0.71
JNR3012B-180M	18	100/0.25	0.709	0.43	0.58
JNR3012B-220M	22	100/0.25	0.839	0.42	0.53
JNR3012B-270M	27	100/0.25	1.131	0.35	0.47
JNR3012B-330M	33	100/0.25	1.138	0.36	0.46
JNR3012B-360M	36	100/0.25	1.235	0.34	0.44
JNR3012B-390M	39	100/0.25	1.729	0.3	0.37
JNR3012B-470M	47	100/0.25	1.885	0.27	0.35
JNR3012B-560M	56	100/0.25	1.794	0.26	0.28
JNR3012B-680M	68	100/0.25	2.171	0.24	0.33
JNR3012B-820M	82	100/0.25	3.302	0.17	0.27
JNR3012B-101M	100	100/0.25	3.718	0.21	0.25

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR3015 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR3015T-R50N	0.5	100/0.25	0.039	3.9	2.6
JNR3015T-1R0N	1	100/0.25	0.039	2.32	2.35
JNR3015T-1R2N	1.2	100/0.25	0.052	2.21	1.95
JNR3015T-1R5N	1.5	100/0.25	0.065	2.3	1.7
JNR3015T-1R8N	1.8	100/0.25	0.065	1.75	1.7
JNR3015T-2R2N	2.2	100/0.25	0.078	1.6	1.6
JNR3015T-2R7N	2.7	100/0.25	0.098	1.52	1.43
JNR3015T-3R3M	3.3	100/0.25	0.104	1.32	1.36
JNR3015T-3R6M	3.6	100/0.25	0.137	1.28	1.2
JNR3015T-3R9M	3.9	100/0.25	0.137	1.2	1.2
JNR3015T-4R3M	4.3	100/0.25	0.15	1.2	1.14
JNR3015T-4R7M	4.7	100/0.25	0.163	1.1	1.09
JNR3015T-5R1M	5.1	100/0.25	0.173	1	1.05
JNR3015T-6R2M	6.2	100/0.25	0.254	1	0.86
JNR3015T-6R8M	6.8	100/0.25	0.26	0.85	0.85
JNR3015T-100M	10	100/0.25	0.325	0.72	0.77
JNR3015T-120M	12	100/0.25	0.416	0.7	0.68
JNR3015T-150M	15	100/0.25	0.455	0.66	0.65
JNR3015T-180M	18	100/0.25	0.559	0.56	0.59
JNR3015T-220M	22	100/0.25	0.598	0.52	0.57
JNR3015T-270M	27	100/0.25	0.949	0.48	0.45
JNR3015T-330M	33	100/0.25	1.066	0.44	0.43
JNR3015T-390M	39	100/0.25	1.294	0.41	0.39
JNR3015T-430M	43	100/0.25	1.378	0.37	0.37
JNR3015T-470M	47	100/0.25	1.625	0.35	0.35
JNR3015T-560M	56	100/0.25	1.664	0.33	0.34
JNR3015T-620M	62	100/0.25	2.093	0.3	0.3
JNR3015T-680M	68	100/0.25	3.51	0.28	0.23
JNR3015T-101M	100	100/0.25	4.043	0.23	0.21
JNR3015T-151M	150	100/0.25	4.94	0.18	0.19

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR4010 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR4010B-1R0N	1	100/0.25	0.067	2	1.9
JNR4010B-1R5N	1.5	100/0.25	0.084	1.68	1.7
JNR4010B-2R2M	2.2	100/0.25	0.102	1.2	1.5
JNR4010B-3R3M	3.3	100/0.25	0.12	1.1	1.4
JNR4010B-4R7M	4.7	100/0.25	0.168	0.95	1.2
JNR4010B-6R8M	6.8	100/0.25	0.24	0.8	1
JNR4010B-100M	10	100/0.25	0.36	0.62	0.75
JNR4010B-150M	15	100/0.25	0.516	0.54	0.6
JNR4010B-220M	22	100/0.25	0.684	0.45	0.5

JNR4012 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR4012B-R82N	0.82	100/0.25	0.065	3.02	1.65
JNR4012B-1R0N	1	100/0.25	0.065	2.61	1.65
JNR4012B-1R5N	1.5	100/0.25	0.085	2.1	1.46
JNR4012B-2R2N	2.2	100/0.25	0.104	1.76	1.32
JNR4012B-3R3N	3.3	100/0.25	0.143	1.72	1.12
JNR4012B-4R3N	4.3	100/0.25	0.182	1.58	1
JNR4012B-4R7N	4.7	100/0.25	0.163	1.15	1.05
JNR4012B-5R6N	5.6	100/0.25	0.182	1	1
JNR4012B-6R8M	6.8	100/0.25	0.257	0.85	0.84
JNR4012B-100M	10	100/0.25	0.345	0.8	0.77
JNR4012B-120M	12	100/0.25	0.377	0.66	0.7
JNR4012B-150M	15	100/0.25	0.442	0.56	0.64
JNR4012B-220M	22	100/0.25	0.763	0.46	0.49
JNR4012B-330M	33	100/0.25	1.053	0.42	0.42
JNR4012B-360M	36	100/0.25	1.17	0.4	0.4
JNR4012B-390M	39	100/0.25	1.43	0.55	0.37
JNR4012B-470M	47	100/0.25	1.43	0.35	0.37
JNR4012B-560M	56	100/0.25	1.625	0.33	0.33
JNR4012B-680M	68	100/0.25	2.535	0.38	0.27
JNR4012B-820M	82	100/0.25	2.782	0.28	0.26
JNR4012B-101M	100	100/0.25	2.873	0.25	0.25

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR4018 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR4018T-R47N	0.47	100/0.25	0.018	4.3	4
JNR4018T-R68N	0.68	100/0.25	0.026	4.9	3.3
JNR4018T-1R0N	1	100/0.25	0.033	4.8	2
JNR4018T-1R5N	1.5	100/0.25	0.039	3.35	1.8
JNR4018T-1R8N	1.8	100/0.25	0.044	3	2
JNR4018T-2R2M	2.2	100/0.25	0.059	2.7	1.65
JNR4018T-3R3M	3.3	100/0.25	0.091	2.45	1.23
JNR4018T-4R7M	4.7	100/0.25	0.117	1.7	1.2
JNR4018T-6R8M	6.8	100/0.25	0.143	1.45	1.06
JNR4018T-100M	10	100/0.25	0.234	1.3	0.84
JNR4018T-150M	15	100/0.25	0.325	0.94	0.65
JNR4018T-220M	22	100/0.25	0.468	0.8	0.59
JNR4018T-270M	27	100/0.25	0.611	0.47	0.52
JNR4018T-330M	33	100/0.25	0.689	0.56	0.49
JNR4018T-470M	47	100/0.25	0.845	0.57	0.42
JNR4018T-680M	68	100/0.25	1.3	0.47	0.32
JNR4018T-101M	100	100/0.25	2.275	0.4	0.25
JNR4018T-151M	150	100/0.25	3.25	0.31	0.22
JNR4018T-221M	220	100/0.25	5.2	0.27	0.17

Note:

- 1、Tolerance: N:±30%, M:±20%, K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR4020 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR4020T-R24N	0.24	100/0.25	0.014	10.5	4.5
JNR4020T-R33N	0.33	100/0.25	0.016	7.5	3.3
JNR4020T-R47N	0.47	100/0.25	0.029	7	3.3
JNR4020T-R68N	0.68	100/0.25	0.036	6.4	2.8
JNR4020T-1R0N	1	100/0.25	0.038	4.78	2.15
JNR4020T-1R2N	1.2	100/0.25	0.038	5.1	2.15
JNR4020T-1R5N	1.5	100/0.25	0.046	4.45	1.98
JNR4020T-2R2N	2.2	100/0.25	0.052	3.4	1.85
JNR4020T-3R3M	3.3	100/0.25	0.091	3.2	1.4
JNR4020T-3R6M	3.6	100/0.25	0.072	2.8	1.54
JNR4020T-4R7M	4.7	100/0.25	0.098	2.35	1.34
JNR4020T-5R1M	5.1	100/0.25	0.111	2.3	1.27
JNR4020T-5R6M	5.6	100/0.25	0.117	2.2	1.22
JNR4020T-6R2M	6.2	100/0.25	0.15	2.15	1.08
JNR4020T-6R8M	6.8	100/0.25	0.163	2.2	1.04
JNR4020T-7R5M	7.5	100/0.25	0.15	1.85	1.08
JNR4020T-8R2M	8.2	100/0.25	0.163	1.75	1.04
JNR4020T-100M	10	100/0.25	0.215	1.6	0.9
JNR4020T-120M	12	100/0.25	0.228	1.5	0.88
JNR4020T-150M	15	100/0.25	0.299	1.35	0.77
JNR4020T-220M	22	100/0.25	0.455	1.05	0.62
JNR4020T-270M	27	100/0.25	0.709	1.02	0.5
JNR4020T-330M	33	100/0.25	0.715	0.85	0.49
JNR4020T-390M	39	100/0.25	0.845	0.82	0.46
JNR4020T-430M	43	100/0.25	0.858	0.77	0.45
JNR4020T-470M	47	100/0.25	0.923	0.74	0.44
JNR4020T-510M	51	100/0.25	0.975	0.7	0.42
JNR4020T-560M	56	100/0.25	1.04	0.66	0.41
JNR4020T-620M	62	100/0.25	1.17	0.65	0.39
JNR4020T-680M	68	100/0.25	1.38	0.61	0.36
JNR4020T-750M	75	100/0.25	1.51	0.7	0.35
JNR4020T-820M	82	100/0.25	1.52	0.5	0.34
JNR4020T-101M	100	100/0.25	2.02	0.48	0.31

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR4030 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR4030T-R68N	0.68	100/0.25	0.013	6.8	4.56
JNR4030T-R91N	0.91	100/0.25	0.017	6.25	4.15
JNR4030T-1R0N	1	100/0.25	0.018	5.26	4.15
JNR4030T-1R2N	1.2	100/0.25	0.02	5.8	3.82
JNR4030T-1R5N	1.5	100/0.25	0.026	4.84	3.34
JNR4030T-1R8N	1.8	100/0.25	0.033	5.4	3.2
JNR4030T-2R2N	2.2	100/0.25	0.039	4.9	2.95
JNR4030T-3R3M	3.3	100/0.25	0.052	3.3	2.4
JNR4030T-3R6M	3.6	100/0.25	0.052	3	2.4
JNR4030T-3R9M	3.9	100/0.25	0.074	3	2.1
JNR4030T-4R7M	4.7	100/0.25	0.078	2.9	2
JNR4030T-5R6M	5.6	100/0.25	0.085	2.6	1.95
JNR4030T-6R8M	6.8	100/0.25	0.117	2.75	1.6
JNR4030T-8R2M	8.2	100/0.25	0.125	2.1	1.6
JNR4030T-100M	10	100/0.25	0.13	1.95	1.5
JNR4030T-120M	12	100/0.25	0.175	1.7	1.3
JNR4030T-150M	15	100/0.25	0.247	1.65	1.11
JNR4030T-180M	18	100/0.25	0.26	1.4	1.1
JNR4030T-220M	22	100/0.25	0.292	1.3	1
JNR4030T-270M	27	100/0.25	0.338	1.15	0.9
JNR4030T-330M	33	100/0.25	0.429	1.1	0.84
JNR4030T-360M	36	100/0.25	0.436	1.05	0.83
JNR4030T-390M	39	100/0.25	0.566	1.03	0.73
JNR4030T-470M	47	100/0.25	0.579	0.95	0.72
JNR4030T-560M	56	100/0.25	0.722	0.85	0.65
JNR4030T-680M	68	100/0.25	1.128	0.72	0.52
JNR4030T-750M	75	100/0.25	1.326	0.7	0.48
JNR4030T-820M	82	100/0.25	1.378	0.66	0.47
JNR4030T-101M	100	100/0.25	1.495	0.6	0.45
JNR4030T-121M	120	100/0.25	1.755	0.55	0.42
JNR4030T-151M	150	100/0.25	2.34	0.5	0.3
JNR4030T-221M	220	100/0.25	3.25	0.4	0.35
JNR4030T-331M	330	100/0.25	5.2	0.3	0.25
JNR4030T-471M	470	100/0.25	9.36	0.3	0.2

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR5012 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR5012B-1R0N	1	100/0.25	0.068	4.4	2
JNR5012B-1R5N	1.5	100/0.25	0.086	3.7	1.9
JNR5012B-2R2N	2.2	100/0.25	0.108	3.1	1.7
JNR5012B-3R3N	3.3	100/0.25	0.151	2.4	1.4
JNR5012B-4R7N	4.7	100/0.25	0.197	2.2	1.3
JNR5012B-6R8M	6.8	100/0.25	0.294	1.7	1
JNR5012B-100M	10	100/0.25	0.413	1.4	0.85
JNR5012B-150M	15	100/0.25	0.523	1.2	0.8
JNR5012B-220M	22	100/0.25	0.858	0.88	0.6

JNR5020 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR5020T-R47N	0.47	100/0.25	0.017	6.15	4.6
JNR5020T-R56N	0.56	100/0.25	0.022	8.5	3.8
JNR5020T-R68N	0.68	100/0.25	0.022	5.5	4
JNR5020T-1R0N	1	100/0.25	0.026	4.1	3.8
JNR5020T-1R2N	1.2	100/0.25	0.029	4.5	3.55
JNR5020T-1R5N	1.5	100/0.25	0.034	4.1	3.2
JNR5020T-2R2N	2.2	100/0.25	0.042	3.2	2.9
JNR5020T-3R3N	3.3	100/0.25	0.056	2.55	2.5
JNR5020T-3R6N	3.6	100/0.25	0.056	2.8	2.5
JNR5020T-3R9N	3.9	100/0.25	0.056	2.3	2.5
JNR5020T-4R3M	4.3	100/0.25	0.074	2.5	2.2
JNR5020T-4R7M	4.7	100/0.25	0.074	2.5	2.2
JNR5020T-5R6M	5.6	100/0.25	0.083	2.3	2.05
JNR5020T-6R8M	6.8	100/0.25	0.12	2.05	1.8
JNR5020T-8R2M	8.2	100/0.25	0.127	1.85	1.65
JNR5020T-100M	10	100/0.25	0.163	1.7	1.55
JNR5020T-150M	15	100/0.25	0.215	1.35	1.25
JNR5020T-180M	18	100/0.25	0.26	1.25	1.15
JNR5020T-220M	22	100/0.25	0.294	1.15	1.1
JNR5020T-330M	33	100/0.25	0.507	0.92	0.9
JNR5020T-470M	47	100/0.25	0.68	0.77	0.77

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR5040 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR5040T-1R0N	1	100/0.25	0.016	7.35	4.9
JNR5040T-1R2N	1.2	100/0.25	0.021	6.5	4.15
JNR5040T-1R5N	1.5	100/0.25	0.02	6.3	4.3
JNR5040T-1R8N	1.8	100/0.25	0.021	5.5	4.15
JNR5040T-2R2N	2.2	100/0.25	0.025	4.9	3.8
JNR5040T-2R7N	2.7	100/0.25	0.029	4.3	3.6
JNR5040T-3R0N	3	100/0.25	0.029	4.15	3.6
JNR5040T-3R3N	3.3	100/0.25	0.031	3.95	3.4
JNR5040T-3R6M	3.6	100/0.25	0.034	3.8	3.3
JNR5040T-3R9N	3.9	100/0.25	0.035	3.55	3.2
JNR5040T-4R7N	4.7	100/0.25	0.039	3.5	3
JNR5040T-5R6M	5.6	100/0.25	0.046	3	2.8
JNR5040T-6R8M	6.8	100/0.25	0.056	2.9	2.5
JNR5040T-8R2M	8.2	100/0.25	0.062	2.7	2.3
JNR5040T-100M	10	100/0.25	0.083	2.35	2.1
JNR5040T-150M	15	100/0.25	0.112	2	2
JNR5040T-220M	22	100/0.25	0.168	1.6	1.5
JNR5040T-330M	33	100/0.25	0.244	1.3	1.2
JNR5040T-470M	47	100/0.25	0.354	1.1	1
JNR5040T-680M	68	100/0.25	0.52	0.9	0.8
JNR5040T-101M	100	100/0.25	0.728	0.75	0.7
JNR5040T-151M	150	100/0.25	0.975	0.65	0.6
JNR5040T-102M	1000	100/0.25	7.8	0.21	0.2

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;

JNR6020 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR6020T-R50N	0.5	100/0.25	0.018	4.5	4
JNR6020T-R68N	0.68	100/0.25	0.022	6.55	3.8
JNR6020T-R82N	0.82	100/0.25	0.022	5.3	3.8
JNR6020T-1R0N	1	100/0.25	0.02	4.15	3.5
JNR6020T-1R2N	1.2	100/0.25	0.029	5.9	3.2
JNR6020T-1R5N	1.5	100/0.25	0.029	4.25	3.2
JNR6020T-1R8N	1.8	100/0.25	0.036	4.85	2.75
JNR6020T-2R0N	2	100/0.25	0.046	4.1	2.6
JNR6020T-2R2N	2.2	100/0.25	0.036	3.75	2.75
JNR6020T-2R7N	2.7	100/0.25	0.046	3.9	2.6
JNR6020T-3R3N	3.3	100/0.25	0.046	3.15	2.6
JNR6020T-3R9N	3.9	100/0.25	0.064	3.25	2.1
JNR6020T-4R3N	4.3	100/0.25	0.064	2.7	2.1
JNR6020T-4R7N	4.7	100/0.25	0.075	3	2
JNR6020T-5R6N	5.6	100/0.25	0.075	2.4	1.9
JNR6020T-6R2N	6.2	100/0.25	0.103	2.3	1.8
JNR6020T-6R8N	6.8	100/0.25	0.103	2.2	1.8
JNR6020T-8R2N	8.2	100/0.25	0.137	2.1	1.4
JNR6020T-100M	10	100/0.25	0.137	1.75	1.4
JNR6020T-120M	12	100/0.25	0.156	1.45	1.3
JNR6020T-150M	15	100/0.25	0.189	1.2	1.2
JNR6020T-180M	18	100/0.25	0.234	1.2	1.08
JNR6020T-220M	22	100/0.25	0.265	1.05	1
JNR6020T-330M	33	100/0.25	0.39	0.95	0.84
JNR6020T-470M	47	100/0.25	0.559	0.7	0.8
JNR6020T-331M	330	100/0.25	3.419	0.27	0.33

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR6028 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR6028T-R82N	0.82	100/0.25	0.016	6.5	5.2
JNR6028T-1R0N	1	100/0.25	0.013	5.75	5.2
JNR6028T-1R2N	1.2	100/0.25	0.017	6.4	4.58
JNR6028T-1R5N	1.5	100/0.25	0.017	6	4.58
JNR6028T-2R2N	2.2	100/0.25	0.026	5.1	3.75
JNR6028T-2R7N	2.7	100/0.25	0.026	3.8	3.75
JNR6028T-3R3N	3.3	100/0.25	0.033	4.15	3.48
JNR6028T-4R7N	4.7	100/0.25	0.039	3	3.08
JNR6028T-5R1N	5.1	100/0.25	0.056	3.2	2.6
JNR6028T-6R2M	6.2	100/0.25	0.061	3.05	2.4
JNR6028T-6R8M	6.8	100/0.25	0.061	2.6	2.4
JNR6028T-8R2M	8.2	100/0.25	0.072	2.3	2.25
JNR6028T-9R1M	9.1	100/0.25	0.096	2.55	2.15
JNR6028T-100M	10	100/0.25	0.094	2.04	1.95
JNR6028T-120M	12	100/0.25	0.104	1.8	1.85
JNR6028T-150M	15	100/0.25	0.163	1.75	1.45
JNR6028T-180M	18	100/0.25	0.156	1.52	1.45
JNR6028T-220M	22	100/0.25	0.182	1.45	1.4
JNR6028T-270M	27	100/0.25	0.202	1.5	1.32
JNR6028T-330M	33	100/0.25	0.241	1.35	1.22
JNR6028T-360M	36	100/0.25	0.28	1.25	1.13
JNR6028T-390M	39	100/0.25	0.293	1.25	1.1
JNR6028T-470M	47	100/0.25	0.41	1.15	1.06
JNR6028T-560M	56	100/0.25	0.449	1.05	0.89
JNR6028T-680M	68	100/0.25	0.468	0.8	0.86
JNR6028T-750M	75	100/0.25	0.533	0.9	0.81
JNR6028T-820M	82	100/0.25	0.65	0.8	0.7
JNR6028T-101M	100	100/0.25	0.65	0.65	0.7
JNR6028T-401M	400	100/0.25	2.808	0.3	0.4
JNR6028T-102M	1000	100/0.25	7.54	0.18	0.23

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR6045 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR6045T-R47N	0.47	100/0.25	0.008	15	6.5
JNR6045T-R56N	0.56	100/0.25	0.008	14	6.5
JNR6045T-R68N	0.68	100/0.25	0.008	11	5.7
JNR6045T-R82N	0.82	100/0.25	0.01	10.35	5.9
JNR6045T-1R0N	1	100/0.25	0.014	9.85	5.14
JNR6045T-1R2N	1.2	100/0.25	0.013	8.35	5.4
JNR6045T-1R3N	1.3	100/0.25	0.013	8.35	5.4
JNR6045T-1R5N	1.5	100/0.25	0.016	8.8	4.95
JNR6045T-1R8N	1.8	100/0.25	0.016	7.6	4.95
JNR6045T-2R2N	2.2	100/0.25	0.018	6.75	4.6
JNR6045T-2R3N	2.3	100/0.25	0.027	6	3.5
JNR6045T-2R7N	2.7	100/0.25	0.02	5.75	4.3
JNR6045T-3R0N	3	100/0.25	0.026	5.6	3.8
JNR6045T-3R3N	3.3	100/0.25	0.027	5.9	3.7
JNR6045T-3R6N	3.6	100/0.25	0.027	5.25	3.7
JNR6045T-4R3M	4.3	100/0.25	0.03	4.45	3.5
JNR6045T-4R5M	4.5	100/0.25	0.034	4.97	3.3
JNR6045T-4R7M	4.7	100/0.25	0.034	4.97	3.3
JNR6045T-5R1M	5.1	100/0.25	0.034	4.4	3.3
JNR6045T-5R6M	5.6	100/0.25	0.038	4.15	3.15
JNR6045T-6R2M	6.2	100/0.25	0.04	4.43	3
JNR6045T-6R3M	6.3	100/0.25	0.04	4.43	3
JNR6045T-6R8M	6.8	100/0.25	0.04	3.9	3
JNR6045T-7R5M	7.5	100/0.25	0.044	3.5	2.9
JNR6045T-8R2M	8.2	100/0.25	0.056	3.9	2.6
JNR6045T-9R1M	9.1	100/0.25	0.056	3.35	2.6
JNR6045T-100M	10	100/0.25	0.062	3.2	2.45
JNR6045T-120M	12	100/0.25	0.075	2.8	2.2
JNR6045T-150M	15	100/0.25	0.088	2.5	2.05
JNR6045T-180M	18	100/0.25	0.105	2.2	1.85
JNR6045T-220M	22	100/0.25	0.116	2.05	1.8
JNR6045T-270M	27	100/0.25	0.133	1.9	1.65

Note:

- 1、Tolerance: N:±30%, M:±20%, K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR6045 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR6045T-300M	30	100/0.25	0.172	1.7	1.5
JNR6045T-330M	33	100/0.25	0.178	1.65	1.45
JNR6045T-360M	36	100/0.25	0.225	1.62	1.4
JNR6045T-390M	39	100/0.25	0.234	1.5	1.25
JNR6045T-430M	43	100/0.25	0.26	1.63	1.2
JNR6045T-470M	47	100/0.25	0.26	1.4	1.2
JNR6045T-510M	51	100/0.25	0.269	1.35	1.15
JNR6045T-560M	56	100/0.25	0.287	1.3	1.1
JNR6045T-620M	62	100/0.25	0.306	1.25	1.1
JNR6045T-680M	68	100/0.25	0.376	1.2	1
JNR6045T-750M	75	100/0.25	0.397	1.15	0.95
JNR6045T-820M	82	100/0.25	0.443	1.05	0.9
JNR6045T-910M	91	100/0.25	0.467	1	0.85
JNR6045T-101M	100	100/0.25	0.563	0.95	0.8
JNR6045T-121M	120	100/0.25	0.629	0.85	0.77
JNR6045T-151M	150	100/0.25	0.754	0.8	0.7
JNR6045T-221M	220	100/0.25	1.084	0.7	0.59
JNR6045T-331M	330	100/0.25	1.651	0.57	0.57
JNR6045T-471M	470	100/0.25	2.34	0.5	0.42
JNR6045T-681M	680	100/0.25	3.25	0.42	0.33
JNR6045T-102M	1000	100/0.25	5.85	0.3	0.3
JNR6045T-152M	1500	100/0.25	8.45	0.24	0.21
JNR6045T-202M	2000	100/0.25	12.35	0.22	0.17
JNR6045T-222K	2200	100/0.25	12.48	0.2	0.17
JNR6045T-302M	3000	100/0.25	19.5	0.18	0.13
JNR6045T-103M	10000	100/0.25	53.7	0.1	0.07

Note:

- 1、Tolerance: N:±30%, M:±20%, K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR8040 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR8040T-R82N	0.82	100/0.25	0.01	13.8	6.3
JNR8040T-1R0N	1	100/0.25	0.01	9.85	6.3
JNR8040T-1R2N	1.2	100/0.25	0.013	9.2	5.65
JNR8040T-1R5N	1.5	100/0.25	0.013	8.15	5.65
JNR8040T-2R2N	2.2	100/0.25	0.016	7.1	5.15
JNR8040T-3R3N	3.3	100/0.25	0.022	6.5	4.4
JNR8040T-4R7N	4.7	100/0.25	0.025	5.9	4.1
JNR8040T-5R6N	5.6	100/0.25	0.027	6	3.85
JNR8040T-6R8M	6.8	100/0.25	0.031	4.55	3.6
JNR8040T-8R2M	8.2	100/0.25	0.034	4.2	3.45
JNR8040T-100M	10	100/0.25	0.038	3.6	3.3
JNR8040T-150M	15	100/0.25	0.061	2.95	2.6
JNR8040T-180M	18	100/0.25	0.069	2.7	2.4
JNR8040T-220M	22	100/0.25	0.09	2.4	2.1
JNR8040T-330M	33	100/0.25	0.126	2.05	1.8
JNR8040T-390M	39	100/0.25	0.139	1.95	1.7
JNR8040T-430M	43	100/0.25	0.147	1.9	1.65
JNR8040T-470M	47	100/0.25	0.177	1.75	1.55
JNR8040T-560M	56	100/0.25	0.192	1.55	1.45
JNR8040T-620M	62	100/0.25	0.237	1.5	1.3
JNR8040T-680M	68	100/0.25	0.255	1.45	1.25
JNR8040T-820M	82	100/0.25	0.293	1.3	1.15
JNR8040T-101M	100	100/0.25	0.377	1.15	1
JNR8040T-121M	120	100/0.25	0.434	1.05	0.95
JNR8040T-151M	150	100/0.25	0.533	1.1	0.85
JNR8040T-181M	180	100/0.25	0.676	0.95	0.83
JNR8040T-221M	220	100/0.25	0.779	0.85	0.8
JNR8040T-331M	330	100/0.25	1.156	0.68	0.64
JNR8040T-471M	470	100/0.25	1.625	0.6	0.5
JNR8040T-681M	680	100/0.25	2.652	0.5	0.45
JNR8040T-102M	1000	100/0.25	3.64	0.4	0.35
JNR8040T-152M	1500	100/0.25	6.5	0.32	0.26

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

JNR8060 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR8060T-2R2N	2.2	100/0.25	0.022	8	5.7
JNR8060T-3R3N	3.3	100/0.25	0.025	7.5	5
JNR8060T-4R7M	4.7	100/0.25	0.032	7	4.65
JNR8060T-6R8M	6.8	100/0.25	0.037	5.9	4.2
JNR8060T-100M	10	100/0.25	0.042	5.8	3.8
JNR8060T-150M	15	100/0.25	0.071	4.5	3.1
JNR8060T-220M	22	100/0.25	0.1	4.3	2.7
JNR8060T-330M	33	100/0.25	0.162	3	2.1
JNR8060T-470M	47	100/0.25	0.188	2.85	1.8
JNR8060T-680M	68	100/0.25	0.248	2.5	1.6
JNR8060T-101M	100	100/0.25	0.38	2	1.25
JNR8060T-221M	220	100/0.25	0.884	1.2	0.82
JNR8060T-331M	330	100/0.25	1.26	1.05	0.68
JNR8060T-471M	470	100/0.25	1.76	0.9	0.55
JNR8060T-681M	680	100/0.25	2.8	0.8	0.5
JNR8060T-821M	820	100/0.25	3.4	0.7	0.43
JNR8060T-102M	1000	100/0.25	3.87	0.6	0.37

JNR8065 Series

产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR8065T-6R8M	6.8	100/0.25	0.029	7.5	4.3
JNR8065T-7R8M	7.8	100/0.25	0.033	7	4.1
JNR8065T-100M	10	100/0.25	0.047	6	3.2
JNR8065T-150M	15	100/0.25	0.064	5	2.8
JNR8065T-220M	22	100/0.25	0.082	4	2.6
JNR8065T-330M	33	100/0.25	0.11	3.4	2.2
JNR8065T-470M	47	100/0.25	0.163	2.8	1.8
JNR8065T-101M	100	100/0.25	0.338	1.9	1.2
JNR8065T-151M	150	100/0.25	0.533	1.5	0.92
JNR8065T-102M	1000	200/0.25	3.25	0.62	0.38
JNR8065T-152M	1500	200/0.25	4.68	0.5	0.29
JNR8065T-103M	10000	200/0.25	36.4	0.17	0.11

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

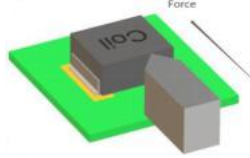
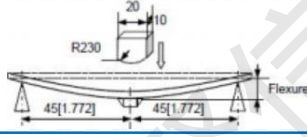
JNR1050 Series

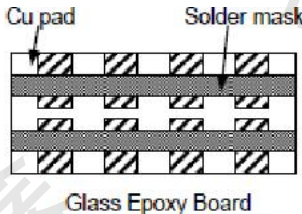
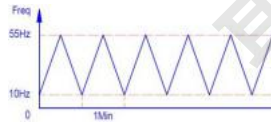
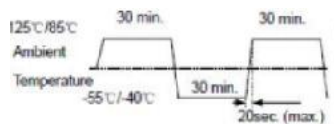
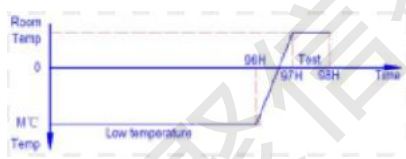
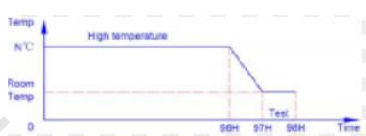
产品料号	L0 (μH)	测试频率(MHz/V)		饱和电流 (A)	额定电流(A)
JNR1050T-4R7N	4.7	100/0.25	0.03	10.3	4.6
JNR1050T-6R8M	6.8	100/0.25	0.037	9	4.2
JNR1050T-100M	10	100/0.25	0.048	7.2	3.7
JNR1050T-150M	15	100/0.25	0.059	6	3.2
JNR1050T-220M	22	100/0.25	0.085	4.3	2.7
JNR1050T-330M	33	100/0.25	0.104	4	2.3
JNR1050T-470M	47	100/0.25	0.163	3.3	2
JNR1050T-680M	68	100/0.25	0.235	3	1.8
JNR1050T-101M	100	100/0.25	0.338	2.5	1.4
JNR1050T-151M	150	100/0.25	0.438	2	1.2
JNR1050T-221M	220	100/0.25	0.675	1.8	1
JNR1050T-331M	330	100/0.25	1.1	1.4	0.85
JNR1050T-471M	470	100/0.25	1.43	1.2	0.73
JNR1050T-561M	560	100/0.25	1.75	1.1	0.68
JNR1050T-681M	680	100/0.25	1.98	1	0.65
JNR1050T-821M	820	100/0.25	2.73	0.9	0.55
JNR1050T-102M	1000	100/0.25	3.42	0.8	0.5

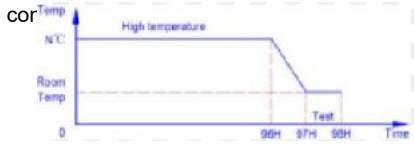
Note:

- 1、Tolerance: N:±30%, M:±20%, K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ\text{C}$) from 25°C ambient;

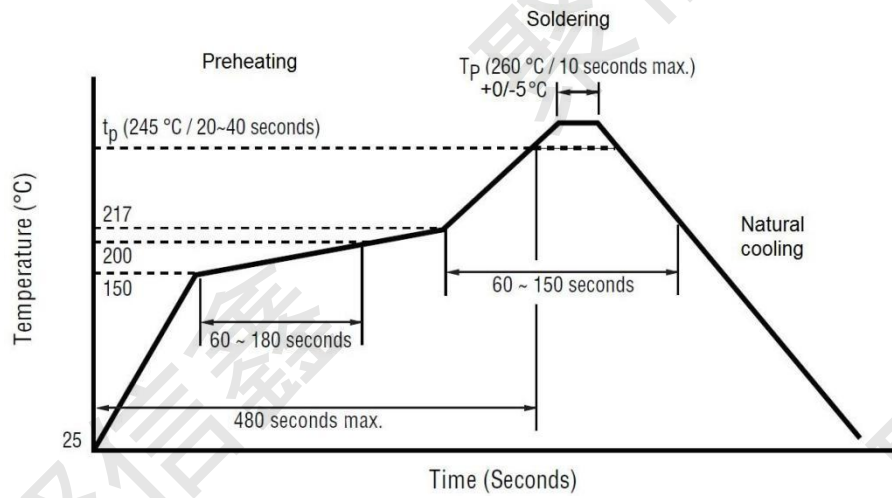
可靠性测试 Reliability testing

Items	Requirements	Test Methods and Remarks
Terminal Strength Reference documents: GB/T 2423.60-2008 端子强度(SMT)	1. Pulling test: Define: A: sectional area of terminal $A \leq 8\text{mm}^2$ force $\geq 5\text{N}$ time: 30sec $8\text{mm}^2 < A \leq 20\text{mm}^2$ force $\geq 10\text{N}$ time: 10sec $20\text{mm}^2 < A$ force $\geq 20\text{N}$ time: 10sec 2. Solder paste thickness: 0.12mm 3. Meet the above requirements without any loose terminal	Solder the inductor to the testing jig using leadfree solder. Then apply a force in the Keep time: $10 \pm 1\text{s}$ Speed: 1.0mm/s. 
Terminal Strength Reference documents: GB/T 2423.60-2008 端子强度(DIP)	1. Terminal diameter(d) mm $0.35 < d \leq 0.50$ Applied force: 5N Duration: 10sec 2. Terminal diameter(d) mm $0.50 < d \leq 0.80$ Applied force: 10N Duration: 10sec 3. Terminal diameter(d) mm $0.80 < d \leq 1.25$ Applied force: 20N Duration: 10sec 4. Terminal diameter(d) mm $d > 1.25$ Applied force: 40N Duration: 10sec 5. Meet the above requirements without any loose terminal.	Pull Force: the force shall be applied gradually to the terminal and then maintained for 10 seconds. 
Resistance to Flexure JIS C 5321:1997 抗弯曲性试验	1. No visible mechanical damage.	1. Solder the inductor to the test jig (glass epoxy board) 2. shown in Using a leadfree solder. Then apply a force in the direction shown 3. Flexure: 2mm. 4. Pressurizing Speed: 0.5mm/sec. 5. Keep time: 30 sec. 
Dropping Reference documents: GB/T 2423.7-2018 落下试验	1. No case deformation or change in appearance. 2. No short and no open.	1. Drop the packaged products from 1m high in 1 angle, 3 ridges and 6 surfaces, twice in each direction.
Solderability Reference documents: GB/T 2423.28-2005 可焊性试验	1. No visible mechanical damage. 2. Wetting shall exceed 75% coverage for 3. Terminals must have 95% minimum solder coverage	1. Solder temperature: $240 \pm 2^\circ\text{C}$ 2. Duration: 3 sec. 3. Solder: Sn/3.0Ag/0.5Cu. 4. Flux: 25% Resin and 75% ethanol in weight

Items	Requirements	Test Methods and Remarks
Vibration Reference documents: GB/T 2423.10-2019 振动 试验	1.No visible mechanical damage. 2. Inductance change: Within $\pm 10\%$. 3.Q factor change: Within $\pm 20\%$. 	1.Solder the inductor to the testing jig (glass epoxy board shown in) using leadfree solder. 2.The inductor shall be subjected to a simple harmonic motion having total amplitude of 1.5mm, the frequency being varied uniformly between the approximate limits of 10 and 55 Hz. 3.The frequency range from 10 to 55 Hz and return to 10 Hz shall be traversed in approximately 1 minute. This motion shall be applied for a period of 2 hours in each 3 mutually perpendicular directions (total of 6 hours). 
Thermal Shock Reference documents: GB/T 2423.22-2012 Method Na 冷热冲击 试验	1.No visible mechanical damage. 2. Inductance change: Within $\pm 10\%$. (Mn-Zn: Within $\leq 30\%$) 3.Q factor change: Within $\pm 20\%$.	1.Start at (85~125℃) for T time, rush to (-55~40℃) for T time as one cycle, go through 100 cycles. 2.Transforming interval: Max. 20 sec. 3.Tested cycle: 100 cycles. 4.The chip shall be stabilized at normal condition for 1~2 hours 
Low temperature Storage Reference documents: GB/T 2423.1-2008 Method Ab 低温储存试验	1.No visible mechanical damage. 2. Inductance change: Within $\pm 10\%$. (Mn-Zn: Within $\leq 30\%$) 3.Q factor change: Within $\pm 20\%$.	1.Temperature: M(-55~-40$\pm 2^\circ\text{C}$) 2.Duration: 96± 2 hours 3.The chip shall be stabilized at normal condition for 1~2 hours before measuring. 
High temperature Storage Reference documents: GB/T 2423.2-2008 Method Bb 高温储存试验	1.No visible mechanical damage. 2. Inductance change: Within $\pm 10\%$. (Mn-Zn: Within $\leq 30\%$) 3.Q factor change: Within $\pm 20\%$.	1.Temperature: N(125~85$\pm 2^\circ\text{C}$) 2.Duration: 96± 2 hours 3.The chip shall be stabilized at normal condition for 1~2 hours before measuring. 

Items	Requirements	Test Methods and Remarks
Damp Heat (Steady States) Reference documents: GB/T 2423.3-2016 恒定湿热试验	1.No visible mechanical damage. 2. Inductance change: Within $\pm 10\%$.(Mn-Zn: Within $\leq 30\%$) 3.Q factor change: Within $\pm 20\%$.	1.Temperature: $60\pm 2^{\circ}\text{C}$ 2.Humidity: 90% to 95% RH. 3.Duration: 96 ± 2 hours. 4.The chip shall be stabilized at normal 
Heat endurance of Reflow soldering Reference documents: GJB 360B-2009 回流焊耐热性试验	1.No significant defects in appearance. 2. $\Delta L/L \leq 10\%$ (Mn-Zn: $\Delta L/L \leq 30\%$) 3. $\Delta Q/Q \leq 30\%$ (SMD series only) 4. $\Delta DCR/DCR \leq 10\%$	1.Refer to the above reflow curve and go through the reflow for twice. 2.The peak temperature : $260\pm 0/-5^{\circ}\text{C}$
Resistance to solvent test Reference documents: IEC 68-2-45:1993 耐溶剂性试验	No case deformation or change in appearance or obliteration of marking	To dip parts into IPA solvent for 5 ± 0.5 Min,then drying them at room temp for 5Min,at last ,to brushing making 10 times.
Overload test Reference documents: JIS C5311-6.13 过负荷试验	1.During the test no smoke, no peculiar, smell, no fire 2.The characteristic is normal after test	Apply twice as rated current for 5 minutes.
voltage resistance test Reference documents: MIL-STD-202G Method 301 绝缘耐压测试	1.During the test no breakdown 2.The characteristic is normal after test	1. For parts with two coils 2. DC1000V, Current: 1mA, Time: 1Min. 3. Refer to catalogue of specific products

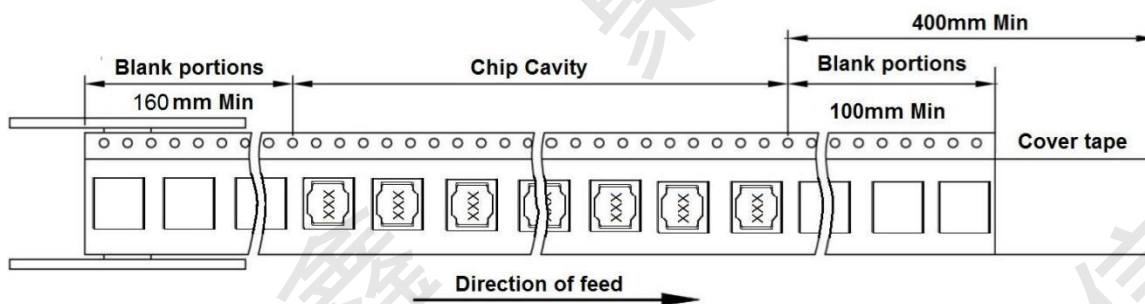
推荐回流焊温度曲线 Recommended reflow soldering curve:



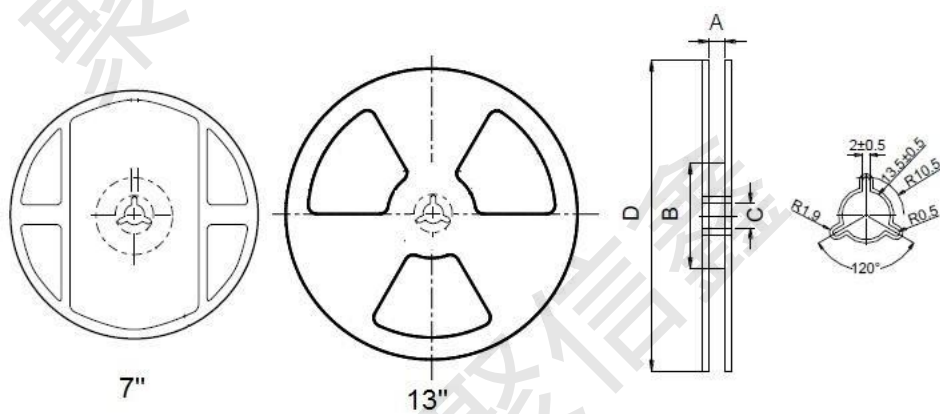
The recommended reflow conditions as above graph, is set according to our soldering equipment. DUE to various manufactures may have different reflow soldering equipment, products, process conditions, set methods. And so on, when setting the reflow conditions, Please adjust and confirm according to users' environment/equipment.

产品包装 Packaging

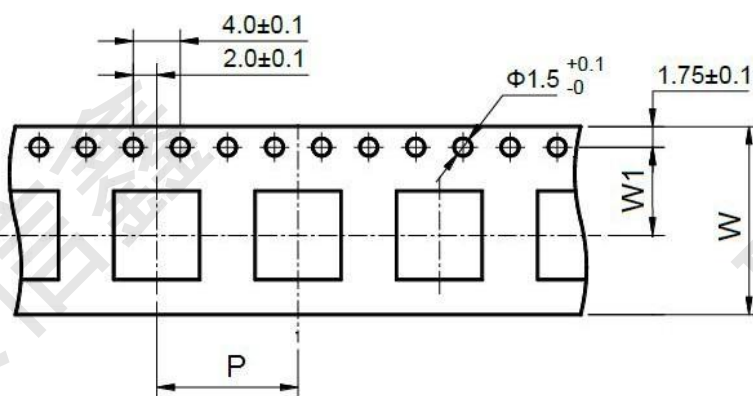
Tape and Reel Specifications: (Dimensions are in mm)



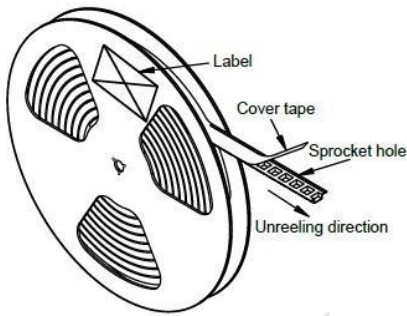
Reel Dimensions (mm)



Tape Dimension (mm)

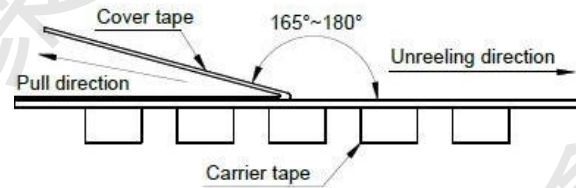


Cover tape peel off condition



1) Cover tape peel force shall be 10 to 120g

2) Noodle strip peeling angle 165° to 180°



Packing quantity

Part No.	Tape Dimension			Reel Dimensions				REEL (PCS)	Inside Box(PCS)	Outside Carton(PCS)
	W	P	W1	A	B	C	D			
JNR201610	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR252010	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR252012	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR3010	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR3012	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR3015	8	4	3.5	8.4	60	13	180	2000	20,000	120,000
JNR4010	12	8	5.5	12.4	100	13	330	5000	20,000	40,000
JNR4012	12	8	5.5	12.4	100	13	330	4500	18,000	36,000
JNR4018	12	8	5.5	12.4	100	13	330	3000	12,000	24,000
JNR4020	12	8	5.5	12.4	100	13	330	3000	12,000	24,000
JNR4030	12	8	5.5	12.4	100	13	330	2000	8000	16,000
JNR5012	12	8	5.5	12.4	100	13	330	3000	12,000	24,000
JNR5020	12	8	5.5	12.4	100	13	330	3000	12,000	24,000
JNR5040	12	8	5.5	12.4	100	13	330	1500	6000	12,000
JNR6020	16	12	7.5	16.4	100	13	330	3000	12,000	24,000
JNR6028	16	12	7.5	16.4	100	13	330	2000	8000	16,000
JNR6045	16	12	7.5	16.4	100	13	330	1000	4000	8000
JNR8040	16	12	7.5	16.4	100	13	330	1000	3000	6000
JNR8060	16	12	7.5	16.4	100	13	330	800	2400	4800
JNR8065	16	12	7.5	16.4	100	13	330	800	2400	4800
JNR1050	16	12	7.5	16.4	100	13	330	800	2400	4800

使用注意事项Reminders For Using These Products

●保存时间为12个月以内,保存条件(温度5~40°C以下、湿度35 ~ 66%RH 以下),需充分注意。

若超过保存时间,端子电极的可焊性将可能老化。The storage period is within 12 months. Be sure to follow the storage conditions (temperature: 5~40°C, humidity: 35 to 65% RH or less). If the storage period elapses, the soldering of the terminal electrodes may deteriorate.

●请勿在气体腐蚀环境(盐、酸、碱等)下使用和保存。Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).

●手上的油脂会导致可焊性降低,应避免用手直接接触端子。Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering. Always ensure optimum conditions for soldering.

●请小心轻拿轻放,避免由于产品的跌落或取出不当而导致的损坏。Please always handle products carefully to prevent any damage caused by dropping down or inappropriate removing.

●端子过度弯曲会导致断线,请不要过度弯曲端子。Don't bend the terminals with excessive stress in case of any wire fracture.

●不要清洗产品,如需要清洗时请联系我司。Don't rinse coils by yourself and please contact JXX if necessary.

●请勿将本产品靠近磁铁或带有磁力的物体。Don't expose the products to magnets or magnetic fields.

●在实施焊接前,请务必进行预热。预热温度与焊接温度及芯片温度的温度差要在150°C以内。Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.

●安装后的焊接修正应在规格书规定的条件范围内。若加热过度可能导致短路、性能降低、寿命减少。Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.

●装置会因通电而自我发热(温度上升),因此在热设计方面需留有充分余地。Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.

●非磁屏蔽型在基板设计时需注意配置线圈,受到电磁干扰可能会导致误动作。Carefully lay out the coil for the circuit board design of the non-magnetic shield type. A malfunction may occur due to magnetic interference.

●当本公司产品使用在一般电子设备以外的场合,如:车载,医疗设备,军用,航空航天等,请务必联系本公司营业部门,如超出本公司产品使用条件而引起的机器故障时,本公司概不负责。If JXX product will be applied in area like automotive product, medical equipment, military and aerospace except general electronic device, please keep JXX sales informed in advance. JXX shall not be held liable for any malfunction or breakdown caused by using product in the condition which is inconsistent with that recommended by JXX.