

贴片磁胶电感器-HSNR系列

产品特征 FEATURES

- 涂敷磁性胶水结构极大减少了蜂鸣声
- 闭合磁路结构设计，漏磁少，抗EMI能力强
- 直接在磁芯上金属化电极，抗跌落冲击强，经久耐用
- 同等尺寸，额定电流特性较传统电感高出30%以上
- 更省电,更小体积

产品应用/APPLICATIONS

- 智能手机，智能电视，机顶盒，笔记本电脑
- 游戏机，个人系统导航，多媒体
- 汽车产品，通讯设备
- LED照明 LED灯光

产品型号 PRODUCT IDENTIFICATION

HSNR
①
3015
②
-
1R0
③
N
④

① Type	
HSNR	Wire Wound SMD Power Inductor

③ Nominal Inductance	
Example	Nominal Value
R10	0.1 μ H
1R0	1.0 μ H
100	10 μ H

④ Inductance Tolerance	
K	$\pm 10\%$
M	$\pm 20\%$
N	$\pm 30\%$

② External Dimensions (L×W×H) [mm]	
252010	2.5×2.0×1.0
252012	2.5×2.0×1.2
3010	3.0×3.0×1.0
3012	3.0×3.0×1.2
3015	3.0×3.0×1.5
4010	4.0×4.0×1.0
4012	4.0×4.0×1.2
4018	4.0×4.0×1.8
4020	4.0×4.0×2.0
4030	4.0×4.0×3.0
5012	5.0×5.0×1.2
5020	5.0×5.0×2.0
5040	5.0×5.0×4.0
5045	5.0×5.0×4.5
6020	6.0×6.0×2.0
6028	6.0×6.0×2.8
6045	6.0×6.0×4.5
8040	8.0×8.0×4.0
8065	8.0×8.0×6.5

外观尺寸 SHAPE AND DIMENSIONS

Fig.1

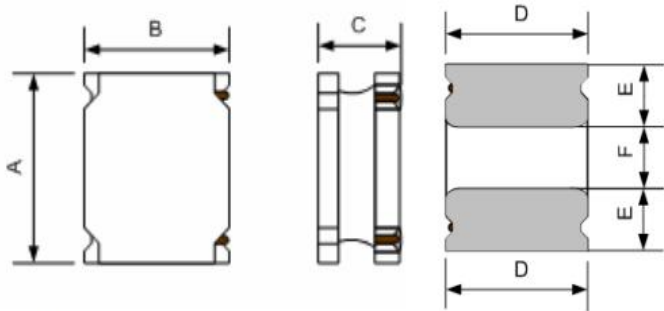


Fig.2

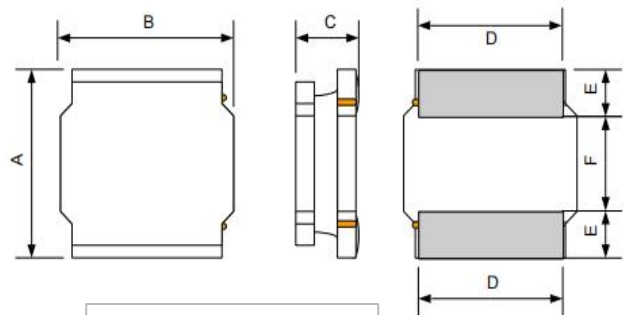
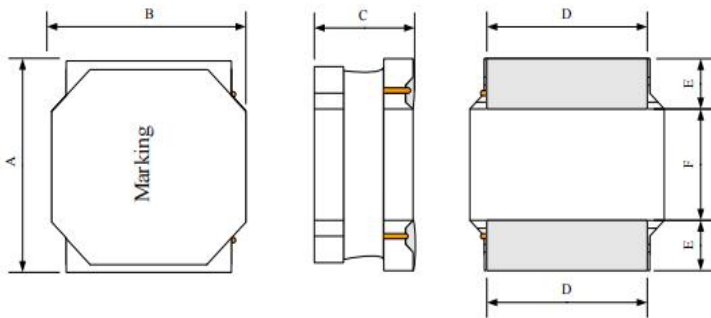
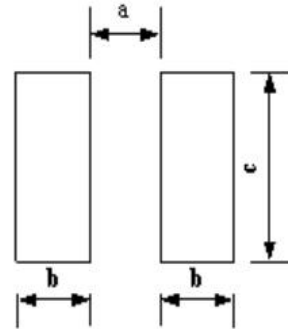


Fig.3



Recommended Land



Unit: mm

Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
252010	Fig.1	2.5±0.1	2.0±0.1	1.0 Max.	2.0±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
252012	Fig.1	2.5±0.1	2.0±0.1	1.2 Max.	2.0±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
3010	Fig.2	3.0±0.2	3.0±0.2	1.0 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
3012	Fig.2	3.0±0.2	3.0±0.2	1.2 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
3015	Fig.2	3.0±0.2	3.0±0.2	1.5 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
4010	Fig.2	4.0±0.2	4.0±0.2	1.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
4012	Fig.2	4.0±0.2	4.0±0.2	1.2 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
4018	Fig.2	4.0±0.2	4.0±0.2	1.8 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
4020	Fig.2	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
4030	Fig.2	4.0±0.2	4.0±0.2	3.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
5012	Fig.3	5.0±0.2	5.0±0.2	1.2 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
5020	Fig.3	5.0±0.2	5.0±0.2	2.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
5040	Fig.3	5.0±0.2	5.0±0.2	4.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
5045	Fig.3	5.0±0.2	5.0±0.2	4.5 Max.	4.0±0.2	1.30±0.2	2.5±0.2	2.3	1.4	4.2
6020	Fig.2	6.0±0.3	6.0±0.3	2.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
6028	Fig.2	6.0±0.3	6.0±0.3	2.8 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
6045	Fig.2	6.0±0.3	6.0±0.3	4.5 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
8040	Fig.2	8.0±0.3	8.0±0.3	4.2 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
8065	Fig.3	8.0±0.3	8.0±0.3	6.5 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

规格特性 SPECIFICATIONS

HSNR252010 Series

Part Number	Inductance	DC Resistance		Self-resonant	Saturation		Heat Rating	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR252010-R47N	0.47±30%	0.056	0.047	206	2.50	3.35	2.35	2.56
HSNR252010-R56N	0.56±30%	0.072	0.060	160	2.90	3.20	2.00	2.18
HSNR252010-R68N	0.68±30%	0.074	0.062	129	2.20	2.75	2.00	2.18
HSNR252010-1R0N	1.0±30%	0.108	0.090	100	1.85	2.20	1.65	1.80
HSNR252010-1R5N	1.5±30%	0.182	0.152	81	1.80	2.10	1.30	1.42
HSNR252010-2R2N	2.2±30%	0.209	0.174	61	1.20	1.60	1.20	1.31
HSNR252010-3R3M	3.3±20%	0.328	0.273	47	1.05	1.30	0.90	0.98
HSNR252010-4R7M	4.7±20%	0.563	0.469	42	0.95	1.15	0.70	0.76
HSNR252010-5R6M	5.6±20%	0.563	0.469	35	0.80	0.95	0.73	0.80
HSNR252010-6R8M	6.8±20%	0.896	0.747	31	0.78	0.92	0.59	0.64
HSNR252010-100M	10±20%	1.092	0.910	27	0.65	0.78	0.50	0.55

HSNR252012 Series

Part Number	Inductance	DC Resistance		Self-resonant	Saturation		Heat Rating	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR252012-R47N	0.47±30%	0.061	0.047	160	3.82	4.27	2.15	2.34
HSNR252012-R68N	0.68±30%	0.074	0.057	140	3.28	3.68	1.95	2.13
HSNR252012-1R0N	1.0±30%	0.090	0.069	110	2.59	2.90	1.93	2.10
HSNR252012-1R2N	1.2±30%	0.129	0.099	100	2.38	2.67	1.46	1.59
HSNR252012-1R5M	1.5±20%	0.147	0.113	97	2.24	2.51	1.40	1.53
HSNR252012-2R2M	2.2±20%	0.216	0.166	69	1.85	2.07	1.15	1.25
HSNR252012-2R7M	2.7±20%	0.239	0.184	63	1.72	1.92	1.09	1.19
HSNR252012-3R3M	3.3±20%	0.264	0.203	62	1.61	1.80	1.04	1.13
HSNR252012-3R6M	3.6±20%	0.348	0.268	53	1.46	1.64	0.90	0.98
HSNR252012-4R3M	4.3±20%	0.377	0.290	51	1.37	1.53	0.87	0.95
HSNR252012-4R7M	4.7±20%	0.377	0.290	47	1.12	1.25	0.84	0.92
HSNR252012-5R1M	5.1±20%	0.500	0.385	44	1.23	1.37	0.75	0.82
HSNR252012-5R6M	5.6±20%	0.538	0.414	38	1.11	1.25	0.73	0.80
HSNR252012-6R2M	6.2±20%	0.542	0.417	38	1.03	1.16	0.73	0.80
HSNR252012-6R8M	6.8±20%	0.581	0.447	38	0.98	1.09	0.69	0.75
HSNR252012-7R5M	7.5±20%	0.611	0.470	35	0.97	1.09	0.68	0.74
HSNR252012-8R2M	8.2±20%	0.658	0.506	36	0.98	1.10	0.65	0.71
HSNR252012-9R1M	9.1±20%	0.690	0.531	34	0.91	1.02	0.62	0.68
HSNR252012-100M	10±20%	0.690	0.531	34	0.79	0.88	0.62	0.68
HSNR252012-120M	12±20%	1.075	0.827	28	0.78	0.88	0.51	0.56
HSNR252012-150M	15±20%	1.591	1.224	25	0.68	0.77	0.42	0.46
HSNR252012-220M	22±20%	1.976	1.520	20	0.53	0.59	0.38	0.41

规格特性 SPECIFICATIONS

HSNR3010 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz, 1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR3010-1R0N	1.0±30%	0.085	0.065	180	1.40	2.10	1.45	1.80
HSNR3010-1R2N	1.2±30%	0.085	0.065	137	1.25	1.70	1.45	1.80
HSNR3010-1R5N	1.5±30%	0.104	0.080	120	1.27	1.70	1.30	1.60
HSNR3010-2R2N	2.2±30%	0.143	0.110	100	1.15	1.50	1.09	1.40
HSNR3010-2R7N	2.7±30%	0.169	0.130	90	1.00	1.20	1.02	1.40
HSNR3010-3R3N	3.3±30%	0.189	0.145	74	0.97	1.20	0.96	1.20
HSNR3010-3R6M	3.6±20%	0.215	0.165	67	0.95	1.20	0.90	1.10
HSNR3010-4R7M	4.7±20%	0.293	0.225	59	0.75	1.05	0.77	1.10
HSNR3010-5R6M	5.6±20%	0.322	0.248	40	0.58	0.65	0.70	1.05
HSNR3010-6R8M	6.8±20%	0.397	0.305	42	0.55	0.72	0.66	0.96
HSNR3010-8R2M	8.2±20%	0.520	0.40	23	0.55	0.70	0.58	0.70
HSNR3010-100M	10±20%	0.520	0.40	39	0.55	0.75	0.58	0.70
HSNR3010-120M	12±20%	0.657	0.505	36	0.43	0.65	0.52	0.67
HSNR3010-150M	15±20%	0.793	0.610	30	0.42	0.57	0.47	0.57
HSNR3010-220M	22±20%	1.209	0.930	28	0.35	0.48	0.38	0.52
HSNR3010-270M	27±20%	1.404	1.080	25	0.30	0.45	0.35	0.50
HSNR3010-330M	33±20%	2.015	1.550	18	0.29	0.42	0.30	0.55
HSNR3010-390M	39±20%	2.275	1.750	18	0.28	0.38	0.28	0.53
HSNR3010-430M	43±20%	2.340	1.80	18	0.23	0.36	0.27	0.52
HSNR3010-470M	47±20%	2.535	1.950	18	0.22	0.35	0.26	0.52
HSNR3010-510M	51±20%	2.860	2.20	18	0.21	0.33	0.25	0.48
HSNR3010-560M	56±20%	3.016	2.320	16	0.21	0.28	0.24	0.35

HSNR3012 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz, 1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR3012-R22N	0.22±30%	0.022	0.017	321	5.30	6.00	3.00	3.30
HSNR3012-R82N	0.82±30%	0.039	0.030	180	2.05	2.80	2.47	3.00
HSNR3012-1R0N	1.0±30%	0.052	0.040	120	1.87	2.80	2.20	2.70
HSNR3012-1R2N	1.2±30%	0.059	0.045	120	2.22	2.50	2.01	2.20
HSNR3012-1R5N	1.5±30%	0.059	0.045	110	1.62	1.90	2.01	2.20
HSNR3012-1R8N	1.8±30%	0.082	0.063	90	1.30	1.90	1.65	1.80
HSNR3012-2R2N	2.2±30%	0.098	0.075	84	1.20	1.90	1.55	1.70
HSNR3012-2R4N	2.4±30%	0.088	0.068	100	1.15	1.50	1.60	1.70
HSNR3012-2R7M	2.7±20%	0.110	0.085	65	1.14	1.50	1.48	1.50
HSNR3012-3R3M	3.3±20%	0.130	0.10	64	1.05	1.50	1.36	1.40
HSNR3012-3R6M	3.6±20%	0.130	0.10	36	1.05	1.50	1.36	1.40
HSNR3012-3R9M	3.9±20%	0.189	0.145	61	1.00	1.30	1.24	1.30
HSNR3012-4R7M	4.7±20%	0.156	0.120	61	0.90	1.00	1.24	1.30
HSNR3012-6R8M	6.8±20%	0.247	0.190	61	0.75	0.90	0.98	1.10
HSNR3012-100M	10±20%	0.345	0.265	42	0.60	0.88	0.83	0.90
HSNR3012-120M	12±20%	0.449	0.345	32	0.48	0.67	0.73	0.84
HSNR3012-150M	15±20%	0.468	0.360	27	0.45	0.62	0.71	0.77
HSNR3012-180M	18±20%	0.709	0.545	25	0.43	0.59	0.58	0.65
HSNR3012-220M	22±20%	0.839	0.645	23	0.42	0.52	0.53	0.59

规格特性 SPECIFICATIONS

HSNR3012 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation		Heat Rating	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	@100kHz,1V	Ω		Min.	A		A	
	μ H	DCR		MHz	Isat		Irms	
	L	DCR		S.R.F	Isat		Irms	
HSNR3012-270M	27±20%	1.131	0.870	21	0.35	0.48	0.47	0.51
HSNR3012-330M	33±20%	1.138	0.875	18	0.36	0.46	0.46	0.50
HSNR3012-360M	36±20%	1.235	0.950	18	0.34	0.44	0.44	0.48
HSNR3012-390M	39±20%	1.729	1.330	18	0.30	0.39	0.37	0.41
HSNR3012-470M	47±20%	1.885	1.450	14	0.27	0.35	0.35	0.40
HSNR3012-560M	56±20%	1.794	1.380	9	0.26	0.33	0.28	0.40
HSNR3012-680M	68±20%	2.171	1.670	7	0.24	0.29	0.33	0.37
HSNR3012-820M	82±20%	3.302	2.540	7	0.17	0.27	0.27	0.31
HSNR3012-101M	100±20%	3.718	2.860	5	0.21	0.23	0.25	0.29

HSNR3015 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation		Heat Rating	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	@100kHz,1V	Ω		Min.	A		A	
	μ H	DCR		MHz	Isat		Irms	
	L	DCR		S.R.F	Isat		Irms	
HSNR3015-R50N	0.5±30%	0.039	0.030	162	3.90	4.20	2.60	2.80
HSNR3015-1R0N	1.0±30%	0.039	0.030	150	2.32	2.80	2.35	2.50
HSNR3015-1R2N	1.2±30%	0.052	0.040	110	2.21	3.10	1.95	2.30
HSNR3015-1R5N	1.5±30%	0.065	0.050	100	2.30	2.70	1.70	2.20
HSNR3015-1R8N	1.8±30%	0.065	0.050	92	1.75	2.20	1.70	2.20
HSNR3015-2R2N	2.2±30%	0.078	0.060	86	1.60	2.00	1.60	2.00
HSNR3015-2R7N	2.7±30%	0.098	0.075	64	1.52	1.90	1.43	1.90
HSNR3015-3R3M	3.3±20%	0.104	0.080	68	1.32	1.81	1.36	1.60
HSNR3015-3R6M	3.6±20%	0.137	0.105	59	1.28	1.60	1.20	1.50
HSNR3015-3R9M	3.9±20%	0.137	0.105	47	1.20	1.40	1.20	1.50
HSNR3015-4R3M	4.3±20%	0.150	0.115	53	1.20	1.40	1.14	1.30
HSNR3015-4R7M	4.7±20%	0.163	0.125	46	1.10	1.40	1.09	1.30
HSNR3015-5R1M	5.1±20%	0.173	0.133	49	1.00	1.20	1.05	1.20
HSNR3015-6R2M	6.2±20%	0.254	0.195	46	1.00	1.20	0.86	1.00
HSNR3015-6R8M	6.8±20%	0.260	0.20	39	0.85	1.10	0.85	1.10
HSNR3015-100M	10±20%	0.325	0.250	41	0.72	0.92	0.77	0.90
HSNR3015-120M	12±20%	0.416	0.320	32	0.70	0.90	0.68	0.89
HSNR3015-150M	15±20%	0.455	0.350	30	0.66	0.88	0.65	0.72
HSNR3015-180M	18±20%	0.559	0.430	23	0.56	0.72	0.59	0.72
HSNR3015-220M	22±20%	0.598	0.460	23	0.52	0.68	0.57	0.69
HSNR3015-270M	27±20%	0.949	0.730	22	0.48	0.56	0.45	0.56
HSNR3015-330M	33±20%	1.066	0.820	20	0.44	0.53	0.43	0.51
HSNR3015-390M	39±20%	1.294	0.995	14	0.41	0.55	0.39	0.44
HSNR3015-430M	43±20%	1.378	1.060	16	0.37	0.43	0.37	0.48
HSNR3015-470M	47±20%	1.625	1.250	14	0.35	0.43	0.35	0.44
HSNR3015-560M	56±20%	1.664	1.280	13	0.33	0.42	0.34	0.41
HSNR3015-620M	62±20%	2.093	1.610	13	0.30	0.40	0.30	0.41
HSNR3015-680M	68±20%	3.510	2.700	11	0.28	0.37	0.23	0.31
HSNR3015-101M	100±20%	4.043	3.110	7.2	0.23	0.25	0.21	0.25
HSNR3015-151M	150±20%	4.940	3.80	4.5	0.18	0.22	0.19	0.23

规格特性 SPECIFICATIONS

HSNR4010 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR4010-1R0N	1.0±30%	0.067	0.056	104	2.00	2.30	1.90	2.40
HSNR4010-1R5N	1.5±30%	0.084	0.070	71	1.68	2.00	1.70	2.00
HSNR4010-2R2M	2.2±20%	0.102	0.085	52	1.20	1.50	1.50	2.00
HSNR4010-3R3M	3.3±20%	0.120	0.100	42	1.10	1.40	1.40	1.80
HSNR4010-4R7M	4.7±20%	0.168	0.140	30	0.95	1.10	1.20	1.50
HSNR4010-6R8M	6.8±20%	0.240	0.200	26	0.80	0.95	1.00	1.20
HSNR4010-100M	10±20%	0.360	0.300	19	0.62	0.75	0.75	1.00
HSNR4010-150M	15±20%	0.516	0.430	17	0.54	0.61	0.60	0.85
HSNR4010-220M	22±20%	0.684	0.570	11	0.45	0.52	0.50	0.75

HSNR4012 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR4012-R82N	0.82±30%	0.065	0.050	150	3.02	3.30	1.65	2.50
HSNR4012-1R0N	1.0±30%	0.065	0.050	120	2.61	3.20	1.65	2.50
HSNR4012-1R5N	1.5±30%	0.085	0.065	90	2.10	2.70	1.46	2.20
HSNR4012-1R8N	1.8±30%	0.104	0.080	88	2.12	2.60	1.32	1.90
HSNR4012-2R2N	2.2±30%	0.104	0.080	74	1.76	2.30	1.32	1.90
HSNR4012-2R7N	2.7±30%	0.117	0.090	71	1.90	2.30	1.25	1.70
HSNR4012-3R3N	3.3±30%	0.143	0.110	60	1.72	2.10	1.12	1.60
HSNR4012-3R6N	3.6±30%	0.143	0.110	57	1.20	1.70	1.12	1.60
HSNR4012-4R3N	4.3±30%	0.182	0.140	54	1.58	1.70	1.00	1.50
HSNR4012-4R7N	4.7±30%	0.163	0.125	50	1.15	1.80	1.05	1.50
HSNR4012-5R1N	5.1±30%	0.201	0.155	50	1.55	1.60	0.95	1.50
HSNR4012-5R6N	5.6±30%	0.182	0.140	42	1.00	1.60	1.00	1.20
HSNR4012-6R8M	6.8±20%	0.257	0.198	40	0.85	1.40	0.84	1.20
HSNR4012-100M	10±20%	0.345	0.265	33	0.80	1.10	0.77	1.00
HSNR4012-120M	12±20%	0.377	0.290	32	0.66	1.00	0.70	0.95
HSNR4012-150M	15±20%	0.442	0.340	25	0.56	0.80	0.64	0.85
HSNR4012-180M	18±20%	0.611	0.470	23	0.55	0.75	0.55	0.80
HSNR4012-220M	22±20%	0.763	0.587	20	0.46	0.70	0.49	0.75
HSNR4012-270M	27±20%	0.936	0.720	18	0.50	0.70	0.45	0.60
HSNR4012-330M	33±20%	1.053	0.810	17	0.42	0.60	0.42	0.58
HSNR4012-360M	36±20%	1.170	0.90	14	0.40	0.50	0.40	0.56
HSNR4012-390M	39±20%	1.430	1.10	16	0.55	0.66	0.37	0.50
HSNR4012-470M	47±20%	1.430	1.10	12	0.35	0.50	0.37	0.50
HSNR4012-560M	56±20%	1.625	1.250	11	0.33	0.45	0.33	0.46
HSNR4012-680M	68±20%	2.535	1.950	11	0.38	0.45	0.27	0.45
HSNR4012-820M	82±20%	2.782	2.140	11	0.28	0.40	0.26	0.36
HSNR4012-101M	100±20%	2.873	2.210	9.4	0.25	0.30	0.25	0.35

规格特性 SPECIFICATIONS

HSNR4018 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	UH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR4018-R47N	0.47±30%	0.018	0.014	155	4.30	5.20	4.00	4.50
HSNR4018-R68N	0.68±30%	0.026	0.020	128	4.90	5.60	3.30	3.80
HSNR4018-1R0N	1.0±30%	0.033	0.025	80	4.80	5.20	2.00	3.30
HSNR4018-1R5N	1.5±30%	0.039	0.030	65	3.35	4.00	1.80	3.20
HSNR4018-1R8N	1.8±30%	0.044	0.034	54	3.00	3.40	2.00	2.80
HSNR4018-2R2M	2.2±20%	0.059	0.045	52	2.70	3.20	1.65	2.60
HSNR4018-3R3M	3.3±20%	0.091	0.070	44	2.45	2.90	1.23	2.10
HSNR4018-4R7M	4.7±20%	0.117	0.090	34	1.70	2.20	1.20	1.80
HSNR4018-6R8M	6.8±20%	0.143	0.110	29	1.45	2.00	1.06	1.50
HSNR4018-100M	10±20%	0.234	0.180	24	1.30	1.60	0.84	1.20
HSNR4018-150M	15±20%	0.325	0.250	19	0.94	1.10	0.65	1.00
HSNR4018-220M	22±20%	0.468	0.360	16	0.80	0.88	0.59	0.85
HSNR4018-330M	33±20%	0.689	0.530	12	0.56	0.75	0.49	0.72
HSNR4018-470M	47±20%	0.845	0.650	10	0.57	0.70	0.42	0.65
HSNR4018-680M	68±20%	1.300	1.0	8.3	0.47	0.51	0.32	0.52
HSNR4018-101M	100±20%	2.275	1.750	6.5	0.40	0.44	0.25	0.41
HSNR4018-151M	150±20%	3.250	2.500	5.5	0.31	0.34	0.22	0.36
HSNR4018-221M	220±20%	5.200	4.0	4	0.27	0.30	0.17	0.27

HSNR4020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	UH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR4020-R24M	0.24±20%	0.014	0.011	283	10.5	12.5	4.50	5.20
HSNR4020-R33N	0.33±30%	0.016	0.013	223	7.50	8.50	3.30	4.90
HSNR4020-R47N	0.47±30%	0.029	0.022	160	7.00	7.50	3.30	3.70
HSNR4020-R68N	0.68±30%	0.036	0.028	120	6.40	6.60	2.80	3.30
HSNR4020-1R0N	1.0±30%	0.038	0.029	75	4.78	5.20	2.15	3.20
HSNR4020-1R2N	1.2±30%	0.038	0.029	72	5.10	5.60	2.15	3.20
HSNR4020-1R5N	1.5±30%	0.046	0.035	71	4.45	4.90	1.98	3.00
HSNR4020-2R2N	2.2±30%	0.052	0.040	49	3.40	3.70	1.85	2.80
HSNR4020-3R3M	3.3±20%	0.091	0.070	44	3.20	3.50	1.40	2.50
HSNR4020-3R6M	3.6±20%	0.072	0.055	49	2.80	3.00	1.54	2.50
HSNR4020-4R7M	4.7±20%	0.098	0.075	42	2.35	2.50	1.34	2.00
HSNR4020-5R1M	5.1±20%	0.111	0.085	42	2.30	2.50	1.27	1.80
HSNR4020-5R6M	5.6±20%	0.117	0.090	30	2.20	2.40	1.22	1.80
HSNR4020-6R2M	6.2±20%	0.150	0.115	36	2.15	2.30	1.08	1.60
HSNR4020-6R8M	6.8±20%	0.163	0.125	33	2.20	2.40	1.04	1.60
HSNR4020-7R5M	7.5±20%	0.150	0.115	30	1.85	2.00	1.08	1.50
HSNR4020-8R2M	8.2±20%	0.163	0.125	27	1.75	1.90	1.04	1.40
HSNR4020-100M	10±20%	0.215	0.165	26	1.60	1.70	0.90	1.20
HSNR4020-120M	12±20%	0.228	0.175	26	1.50	1.60	0.88	1.20
HSNR4020-150M	15±20%	0.299	0.230	24	1.35	1.50	0.77	1.10
HSNR4020-220M	22±20%	0.455	0.350	15	1.05	1.10	0.62	0.87
HSNR4020-270M	27±20%	0.709	0.545	14	1.02	1.10	0.50	0.70

规格特性 SPECIFICATIONS

HSNR4020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR4020-330M	33±20%	0.715	0.550	11	0.85	0.93	0.49	0.68
HSNR4020-390M	39±20%	0.845	0.650	11	0.82	0.90	0.46	0.64
HSNR4020-430M	43±20%	0.858	0.660	10	0.77	0.85	0.45	0.63
HSNR4020-470M	47±20%	0.923	0.710	10	0.74	0.81	0.44	0.61
HSNR4020-510M	51±20%	0.975	0.750	10	0.70	0.77	0.42	0.59
HSNR4020-560M	56±20%	1.040	0.80	10	0.66	0.72	0.41	0.57
HSNR4020-620M	62±20%	1.170	0.90	9.6	0.65	0.71	0.39	0.52
HSNR4020-680M	68±20%	1.380	1.060	7.7	0.61	0.67	0.36	0.50
HSNR4020-750M	75±20%	1.510	1.160	7.7	0.70	0.77	0.35	0.49
HSNR4020-820M	82±20%	1.520	1.170	7.2	0.50	0.55	0.34	0.47
HSNR4020-101M	100±20%	2.020	1.550	6.3	0.48	0.53	0.31	0.43

HSNR4030 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR4030-R68N	0.68±30%	0.013	0.010	130	6.80	8.00	4.56	5.10
HSNR4030-R91N	0.91±30%	0.017	0.013	100	6.25	6.80	4.15	4.70
HSNR4030-1R0N	1.0±30%	0.018	0.014	70	5.26	5.70	4.15	4.70
HSNR4030-1R2N	1.2±30%	0.020	0.015	80	5.80	6.30	3.82	4.20
HSNR4030-1R5N	1.5±30%	0.026	0.020	62	4.84	5.30	3.34	3.60
HSNR4030-1R8N	1.8±30%	0.033	0.025	60	4.50	5.00	3.20	3.30
HSNR4030-2R2N	2.2±30%	0.039	0.030	52	4.90	5.80	2.95	3.20
HSNR4030-3R3M	3.3±20%	0.052	0.040	38	3.30	3.60	2.40	2.60
HSNR4030-3R9M	3.9±20%	0.074	0.057	32	3.00	3.30	2.10	2.30
HSNR4030-4R3M	4.3±20%	0.072	0.055	37	2.95	3.20	2.10	2.30
HSNR4030-4R7M	4.7±20%	0.078	0.060	31	2.90	3.20	2.00	2.30
HSNR4030-5R6M	5.6±20%	0.085	0.065	30	2.60	2.80	1.95	2.10
HSNR4030-6R8M	6.8±20%	0.117	0.090	24	2.75	3.00	1.60	1.70
HSNR4030-7R5M	7.5±20%	0.111	0.085	26	2.20	2.40	1.65	1.80
HSNR4030-8R2M	8.2±20%	0.117	0.090	26	2.10	2.30	1.60	1.70
HSNR4030-100M	10±20%	0.130	0.10	21	1.95	2.40	1.50	1.60
HSNR4030-120M	12±20%	0.176	0.135	18	1.70	1.80	1.30	1.40
HSNR4030-150M	15±20%	0.247	0.190	16	1.65	1.80	1.11	1.20
HSNR4030-180M	18±20%	0.260	0.20	10	1.40	1.50	1.10	1.20
HSNR4030-220M	22±20%	0.293	0.225	10	1.30	1.40	1.00	1.20
HSNR4030-330M	33±20%	0.429	0.330	10	1.10	1.20	0.84	0.92
HSNR4030-360M	36±20%	0.436	0.335	9.8	1.05	1.10	0.83	0.91
HSNR4030-390M	39±20%	0.566	0.435	10	1.03	1.10	0.73	0.80
HSNR4030-470M	47±20%	0.579	0.445	8.4	0.95	1.00	0.72	0.80
HSNR4030-510M	51±20%	0.611	0.470	8.4	0.90	1.13	0.70	0.80
HSNR4030-560M	56±20%	0.722	0.555	8.4	0.85	0.94	0.65	0.71
HSNR4030-620M	62±20%	0.760	0.585	7	0.80	0.99	0.63	0.70
HSNR4030-680M	68±20%	1.128	0.868	7	0.72	0.80	0.52	0.57

规格特性 SPECIFICATIONS

HSNR4030 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR4030-750M	75±20%	1.326	1.020	6.3	0.70	0.88	0.48	0.53
HSNR4030-820M	82±20%	1.378	1.060	5.6	0.66	0.72	0.47	0.52
HSNR4030-910M	91±20%	1.430	1.10	5.6	0.65	0.71	0.46	0.50
HSNR4030-101M	100±20%	1.495	1.150	5.6	0.60	0.73	0.45	0.49
HSNR4030-121M	120±20%	1.755	1.350	5.4	0.55	0.60	0.42	0.46
HSNR4030-151M	150±20%	2.340	1.80	4	0.50	0.55	0.30	0.35
HSNR4030-471K	470±10%	9.360	7.20	2	0.30	0.35	0.20	0.23
HSNR4030-501M	500±20%	9.027	6.944	2	0.28	0.30	0.15	0.20
HSNR4030-681M	680±20%	9.854	7.580	1.2	0.19	0.20	0.14	0.18

HSNR5012 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR5012-1R0N	1.0±30%	0.068	0.057	103	4.40	4.70	2.00	2.40
HSNR5012-1R5N	1.5±30%	0.086	0.072	68	3.70	3.80	1.90	2.20
HSNR5012-2R2N	2.2±30%	0.108	0.090	50	3.10	3.20	1.70	2.00
HSNR5012-3R3N	3.3±30%	0.151	0.126	34	2.40	2.60	1.40	1.70
HSNR5012-4R7N	4.7±30%	0.197	0.164	31	2.20	2.30	1.30	1.50
HSNR5012-6R8M	6.8±20%	0.294	0.245	22	1.70	1.90	1.00	1.20
HSNR5012-100M	10±20%	0.413	0.344	17	1.40	1.50	0.85	1.00
HSNR5012-150M	15±20%	0.523	0.436	13	1.20	1.30	0.80	0.92
HSNR5012-220M	22±20%	0.858	0.780	16	0.88	0.98	0.60	0.68

HSNR5020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HSNR5020-R22N	0.22±30%	0.011	0.009	280	9.00	12.00	5.30	6.00
HSNR5020-R24N	0.24±30%	0.011	0.009	248	8.00	10.00	5.30	6.00
HSNR5020-R47N	0.47±30%	0.017	0.013	160	6.15	6.70	4.60	5.00
HSNR5020-R56N	0.56±30%	0.022	0.017	137	8.50	9.60	3.80	4.20
HSNR5020-R68N	0.68±30%	0.022	0.017	120	5.50	6.00	4.00	4.40
HSNR5020-R75N	0.75±30%	0.022	0.017	117	5.50	6.00	4.00	4.40
HSNR5020-1R0N	1.0±30%	0.026	0.020	114	4.10	5.00	3.80	4.10
HSNR5020-1R2N	1.2±30%	0.029	0.022	83	4.50	4.90	3.55	3.90
HSNR5020-1R5N	1.5±30%	0.034	0.026	68	4.10	4.50	3.20	3.50
HSNR5020-2R2N	2.2±30%	0.042	0.032	57	3.20	4.00	2.90	3.10
HSNR5020-2R7N	2.7±30%	0.049	0.038	52	2.90	3.50	2.70	2.90
HSNR5020-3R0N	3.0±30%	0.049	0.038	49	2.55	2.80	2.70	2.90
HSNR5020-3R3N	3.3±30%	0.056	0.043	46	2.55	3.00	2.50	2.70
HSNR5020-3R6N	3.6±30%	0.056	0.043	43	2.80	3.00	2.50	2.70

规格特性 SPECIFICATIONS

HSNR5020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR5020-3R9N	3.9±30%	0.056	0.043	40	2.30	2.80	2.50	2.70
HSNR5020-4R3M	4.3±20%	0.074	0.057	37	2.50	3.00	2.20	2.40
HSNR5020-4R7M	4.7±20%	0.074	0.057	37	2.50	2.70	2.20	2.40
HSNR5020-5R1M	5.1±20%	0.083	0.064	32	2.25	2.60	2.05	2.20
HSNR5020-5R6M	5.6±20%	0.083	0.064	32	2.30	2.50	2.05	2.20
HSNR5020-6R8M	6.8±20%	0.108	0.083	30	2.05	2.20	1.80	1.90
HSNR5020-7R5M	7.5±20%	0.117	0.090	26	1.85	2.00	1.75	1.90
HSNR5020-8R2M	8.2±20%	0.127	0.098	26	1.85	2.00	1.65	1.80
HSNR5020-9R1M	9.1±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
HSNR5020-100M	10±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
HSNR5020-120M	12±20%	0.182	0.140	22	1.50	1.60	1.40	1.50
HSNR5020-150M	15±20%	0.215	0.165	20	1.35	1.40	1.25	1.30
HSNR5020-180M	18±20%	0.260	0.200	16	1.25	1.30	1.15	1.20
HSNR5020-220M	22±20%	0.294	0.226	14	1.15	1.20	1.10	1.20
HSNR5020-330M	33±20%	0.507	0.390	10	0.92	1.00	0.90	0.99
HSNR5020-470M	47±20%	0.680	0.523	7	0.77	0.84	0.77	0.84
HSNR5020-560M	56±20%	0.819	0.630	6	0.77	0.84	0.70	0.77
HSNR5020-680M	68±20%	0.962	0.740	6	0.65	0.70	0.64	0.70
HSNR5020-820M	82±20%	1.158	0.965	6	0.65	0.75	0.50	0.60
HSNR5020-101M	100±20%	1.430	1.100	6	0.53	0.58	0.53	0.58
HSNR5020-121M	120±20%	1.755	1.350	6	0.42	0.53	0.40	0.50
HSNR5020-201M	200±20%	2.60	2.00	4.5	0.30	0.33	0.40	0.45

HSNR5040 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR5040-R22M	0.22 ±20%	0.008	0.006	289	18.00	20.00	6.50	7.50
HSNR5040-R24N	0.24 ±30%	0.008	0.006	251	15.70	18.00	6.40	7.40
HSNR5040-R47M	0.47 ±20%	0.009	0.007	171	10.00	11.50	6.60	7.60
HSNR5040-1R0N	1.0±30%	0.016	0.012	117	7.35	8.20	4.90	5.10
HSNR5040-1R2N	1.2±30%	0.021	0.016	110	6.50	7.10	4.15	4.30
HSNR5040-1R5N	1.5±30%	0.020	0.015	86	6.30	7.30	4.30	4.80
HSNR5040-1R8M	1.8±20%	0.021	0.016	55	5.50	6.40	4.15	4.30
HSNR5040-2R2N	2.2±30%	0.025	0.019	50	4.90	5.60	3.80	4.30
HSNR5040-2R7N	2.7±30%	0.029	0.022	37	4.30	5.10	3.60	4.10
HSNR5040-3R0N	3.0±30%	0.029	0.022	37	4.15	4.80	3.60	4.20
HSNR5040-3R3N	3.3±30%	0.031	0.024	32	3.95	4.60	3.40	3.90
HSNR5040-3R6M	3.6±20%	0.031	0.026	30	3.80	4.40	3.30	3.70
HSNR5040-3R9N	3.9±30%	0.035	0.027	29	3.55	4.20	3.20	3.70
HSNR5040-4R7N	4.7±30%	0.039	0.030	28	3.50	3.90	3.00	3.30
HSNR5040-5R6M	5.6±20%	0.046	0.035	27	3.00	4.10	2.80	3.10
HSNR5040-6R8M	6.8±20%	0.056	0.043	21	2.90	3.50	2.50	2.80
HSNR5040-8R2M	8.2±20%	0.062	0.048	20	2.70	3.00	2.30	2.60
HSNR5040-100M	10±20%	0.083	0.064	18	2.35	2.90	2.10	2.40

规格特性 SPECIFICATIONS

HSNR5040 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR5040-120M	12±20%	0.100	0.077	14	2.20	2.50	2.00	2.10
HSNR5040-150M	15±20%	0.112	0.086	13	2.00	2.30	2.00	2.10
HSNR5040-180M	18±20%	0.155	0.119	12	1.70	2.00	1.45	1.65
HSNR5040-220M	22±20%	0.168	0.129	11	1.60	1.90	1.50	1.60
HSNR5040-270M	27±20%	0.244	0.188	9.8	1.52	1.75	1.10	1.25
HSNR5040-330M	33±20%	0.244	0.188	9	1.30	1.50	1.20	1.40
HSNR5040-470M	47±20%	0.354	0.272	7	1.10	1.30	1.00	1.10
HSNR5040-510M	51±20%	0.494	0.380	6	1.00	1.20	1.00	1.10
HSNR5040-560M	56±20%	0.494	0.380	6	1.05	1.20	0.80	0.90
HSNR5040-680M	68±20%	0.520	0.40	6	0.90	1.10	0.80	0.90
HSNR5040-750M	75±20%	0.585	0.450	6	0.85	0.95	0.72	0.80
HSNR5040-101M	100±20%	0.728	0.560	5	0.75	0.90	0.70	0.80
HSNR5040-151M	150±20%	0.975	0.750	3.7	0.65	0.67	0.60	0.70
HSNR5040-221M	220±20%	1.820	1.400	3.0	0.48	0.55	0.40	0.50
HSNR5040-301M	300±20%	2.600	2.000	2.7	0.50	0.58	0.35	0.40
HSNR5040-331M	330±20%	2.730	2.100	2.7	0.42	0.47	0.40	0.50
HSNR5040-471M	470±20%	3.900	3.000	2.7	0.37	0.43	0.35	0.40
HSNR5040-561M	560±20%	4.920	3.780	1.5	0.31	0.36	0.31	0.35
HSNR5040-681M	680±20%	5.070	3.900	1.60	0.30	0.35	0.25	0.30

HSNR5045 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Typ.		Typ.	
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR5045-2R2M	2.2±20%	0.029	0.022	50	6.40	7.20	4.70	5.40
HSNR5045-100M	10±20%	0.079	0.061	17	3.20	3.70	2.50	2.90
HSNR5045-220M	22±20%	0.163	0.125	10	2.00	2.35	1.55	1.80

HSNR6020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6020-R50N	0.50±30%	0.018	0.014	120	4.50	6.00	4.00	5.00
HSNR6020-R68N	0.68±30%	0.022	0.017	115	6.55	7.80	3.80	4.80
HSNR6020-R82N	0.82±30%	0.022	0.017	110	5.30	6.30	3.80	4.80
HSNR6020-1R0N	1.0±30%	0.026	0.020	100	4.15	5.00	3.50	4.40
HSNR6020-1R2N	1.2±30%	0.029	0.022	88	5.90	7.00	3.20	4.00
HSNR6020-1R5N	1.5±30%	0.029	0.022	79	4.25	5.10	3.20	4.00
HSNR6020-1R8N	1.8±30%	0.036	0.028	68	4.85	5.80	2.75	3.50
HSNR6020-2R0N	2.0±30%	0.046	0.035	65	4.10	4.90	2.60	3.30
HSNR6020-2R2N	2.2±30%	0.036	0.028	61	3.75	4.50	2.75	3.50
HSNR6020-2R7N	2.7±30%	0.046	0.035	56	3.90	4.60	2.60	3.30

规格特性 SPECIFICATIONS

HSNR6020 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6020-3R3N	3.3±30%	0.046	0.035	51	3.15	3.70	2.60	3.30
HSNR6020-3R9N	3.9±30%	0.064	0.049	45	3.25	3.90	2.10	2.60
HSNR6020-4R3N	4.3±30%	0.064	0.049	44	2.70	3.20	2.10	2.60
HSNR6020-4R7N	4.7±30%	0.075	0.058	41	3.00	3.60	2.00	2.50
HSNR6020-5R6N	5.6±30%	0.075	0.058	36	2.40	2.90	1.90	2.40
HSNR6020-6R2N	6.2±30%	0.103	0.079	31	2.30	2.70	1.80	2.30
HSNR6020-6R8N	6.8±30%	0.103	0.079	31	2.20	2.60	1.80	2.30
HSNR6020-8R2N	8.2±30%	0.137	0.105	27	2.10	2.50	1.40	1.80
HSNR6020-100M	10±20%	0.137	0.105	27	1.75	2.10	1.40	1.80
HSNR6020-120M	12±20%	0.156	0.120	25	1.45	1.70	1.30	1.60
HSNR6020-150M	15±20%	0.189	0.145	21	1.20	1.40	1.20	1.50
HSNR6020-180M	18±20%	0.234	0.180	18	1.20	1.40	1.08	1.40
HSNR6020-220M	22±20%	0.265	0.204	16	1.05	1.20	1.00	1.30
HSNR6020-330M	33±20%	0.390	0.30	11	0.95	1.10	0.84	1.05
HSNR6020-470M	47±20%	0.559	0.430	10	0.70	0.90	0.80	0.90
HSNR6020-331M	330±20%	3.419	2.630	3	0.27	0.33	0.33	0.39

HSNR6028 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6028-R82N	0.82±30%	0.016	0.012	97	6.50	9.00	5.20	6.00
HSNR6028-1R0N	1.0±30%	0.013	0.010	70	5.75	7.00	5.20	5.70
HSNR6028-1R2N	1.2±30%	0.017	0.013	69	6.40	7.50	4.58	5.00
HSNR6028-1R5N	1.5±30%	0.017	0.013	65	6.00	6.60	4.58	5.00
HSNR6028-2R2N	2.2±30%	0.026	0.020	48	5.10	5.60	3.75	4.10
HSNR6028-2R7N	2.7±30%	0.026	0.020	48	3.80	4.10	3.75	4.10
HSNR6028-3R3N	3.3±30%	0.033	0.025	41	4.15	4.50	3.48	3.80
HSNR6028-4R7N	4.7±30%	0.039	0.030	35	3.00	3.30	3.08	3.40
HSNR6028-5R1N	5.1±30%	0.056	0.043	32	3.20	3.50	2.60	2.80
HSNR6028-6R2M	6.2±20%	0.061	0.047	30	3.05	3.30	2.40	2.60
HSNR6028-6R8M	6.8±20%	0.061	0.047	27	2.60	3.00	2.40	2.60
HSNR6028-8R2M	8.2±20%	0.072	0.055	24	2.30	2.50	2.25	2.50
HSNR6028-9R1M	9.1±20%	0.096	0.074	24	2.55	2.80	2.15	2.40
HSNR6028-100M	10±20%	0.094	0.072	23	2.04	2.50	1.95	2.40
HSNR6028-120M	12±20%	0.104	0.080	18	1.80	2.00	1.85	2.00
HSNR6028-150M	15±20%	0.163	0.125	18	1.75	1.90	1.45	1.60
HSNR6028-180M	18±20%	0.156	0.120	15	1.52	1.80	1.45	1.60
HSNR6028-220M	22±20%	0.182	0.140	14	1.45	1.80	1.40	1.60
HSNR6028-270M	27±20%	0.202	0.155	13	1.50	1.60	1.32	1.40
HSNR6028-330M	33±20%	0.241	0.185	12	1.35	1.50	1.22	1.30
HSNR6028-360M	36±20%	0.280	0.215	11	1.25	1.40	1.13	1.20
HSNR6028-390M	39±20%	0.293	0.225	11	1.25	1.40	1.10	1.20
HSNR6028-470M	47±20%	0.410	0.315	9.5	1.15	1.30	1.06	1.10
HSNR6028-560M	56±20%	0.449	0.345	8.2	1.05	1.20	0.89	1.00
HSNR6028-680M	68±20%	0.468	0.360	7.7	0.80	0.95	0.86	0.95
HSNR6028-750M	75±20%	0.533	0.410	7.7	0.90	0.99	0.81	0.90

规格特性 SPECIFICATIONS

HSNR6028 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6028-820M	82±20%	0.650	0.50	7.7	0.80	0.88	0.70	0.77
HSNR6028-101M	100±20%	0.650	0.50	7.1	0.65	0.71	0.70	0.77
HSNR6028-401M	400±20%	2.808	2.160	2.8	0.30	0.33	0.40	0.45

HSNR6045 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6045-R47N	0.47±30%	0.008	0.006	155	15.00	16.50	6.50	6.60
HSNR6045-R56N	0.56±30%	0.008	0.006	142	14.00	15.00	6.50	6.60
HSNR6045-R68N	0.68±30%	0.008	0.006	99	11.00	12.00	5.70	6.50
HSNR6045-R82N	0.82±30%	0.010	0.008	140	10.35	11.00	5.90	6.50
HSNR6045-1R0N	1.0±30%	0.014	0.011	100	9.85	10.00	5.14	5.60
HSNR6045-1R2N	1.2±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
HSNR6045-1R3N	1.3±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
HSNR6045-1R5N	1.5±30%	0.016	0.012	65	8.80	9.70	4.95	5.40
HSNR6045-1R8N	1.8±30%	0.016	0.012	74	7.60	8.40	4.95	5.40
HSNR6045-2R2N	2.2±30%	0.018	0.014	52	6.75	7.40	4.60	5.00
HSNR6045-2R3N	2.3±30%	0.027	0.021	60	6.00	6.60	3.50	3.80
HSNR6045-2R7N	2.7±30%	0.020	0.015	38	5.75	6.30	4.30	4.70
HSNR6045-3R0N	3.0±30%	0.026	0.020	35	5.60	6.20	3.80	4.20
HSNR6045-3R3N	3.3±30%	0.027	0.021	32	5.90	6.20	3.70	4.00
HSNR6045-3R6N	3.6±30%	0.027	0.021	28	5.25	5.70	3.70	4.00
HSNR6045-4R3M	4.3±20%	0.030	0.023	23	4.45	4.90	3.50	3.80
HSNR6045-4R5M	4.5±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
HSNR6045-4R7M	4.7±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
HSNR6045-5R1M	5.1±20%	0.034	0.026	23	4.40	4.80	3.30	3.60
HSNR6045-5R6M	5.6±20%	0.038	0.029	23	4.15	4.60	3.15	3.40
HSNR6045-6R2M	6.2±20%	0.040	0.031	26	4.43	4.80	3.00	3.30
HSNR6045-6R3M	6.3±20%	0.040	0.031	26	4.43	4.70	3.00	3.30
HSNR6045-6R8M	6.8±20%	0.040	0.031	20	3.90	4.30	3.00	3.30
HSNR6045-7R5M	7.5±20%	0.044	0.034	18	3.50	3.80	2.90	3.20
HSNR6045-8R2M	8.2±20%	0.056	0.043	21	3.90	4.30	2.60	2.80
HSNR6045-9R1M	9.1±20%	0.056	0.043	17	3.35	3.70	2.60	2.80
HSNR6045-100M	10±20%	0.062	0.048	15	3.20	3.50	2.45	2.70
HSNR6045-120M	12±20%	0.075	0.058	13	2.80	3.00	2.20	2.40
HSNR6045-150M	15±20%	0.088	0.068	12	2.50	2.70	2.05	2.20
HSNR6045-180M	18±20%	0.105	0.081	10	2.20	2.40	1.85	2.00
HSNR6045-220M	22±20%	0.116	0.089	10	2.05	2.20	1.80	2.00
HSNR6045-270M	27±20%	0.133	0.102	9.2	1.90	2.10	1.65	1.80
HSNR6045-300M	30±20%	0.172	0.132	7.8	1.70	1.80	1.50	1.60
HSNR6045-330M	33±20%	0.178	0.137	7.8	1.65	1.80	1.45	1.60
HSNR6045-360M	36±20%	0.225	0.173	7.8	1.62	1.80	1.40	1.50
HSNR6045-390M	39±20%	0.234	0.180	7.8	1.50	1.60	1.25	1.40
HSNR6045-430M	43±20%	0.260	0.20	7.7	1.63	1.80	1.20	1.30

规格特性 SPECIFICATIONS

HSNR6045 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	@100kHz,1V μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR6045-470M	47±20%	0.260	0.20	6.4	1.40	1.50	1.20	1.30
HSNR6045-510M	51±20%	0.269	0.207	6.4	1.35	1.50	1.15	1.20
HSNR6045-560M	56±20%	0.287	0.221	6.4	1.30	1.40	1.10	1.20
HSNR6045-620M	62±20%	0.306	0.235	6.4	1.25	1.40	1.10	1.20
HSNR6045-680M	68±20%	0.376	0.289	6.4	1.20	1.30	1.00	1.10
HSNR6045-750M	75±20%	0.397	0.305	5	1.15	1.20	0.95	1.00
HSNR6045-820M	82±20%	0.443	0.341	4.9	1.05	1.10	0.90	0.99
HSNR6045-910M	91±20%	0.467	0.359	4.9	1.00	1.10	0.85	0.94
HSNR6045-101M	100±20%	0.563	0.433	4.2	0.95	1.00	0.80	0.88
HSNR6045-121M	120±20%	0.629	0.484	4.2	0.85	0.94	0.77	0.85
HSNR6045-151M	150±20%	0.754	0.580	4.2	0.80	0.88	0.70	0.77
HSNR6045-221M	220±20%	1.084	0.834	3.5	0.70	0.77	0.59	0.65
HSNR6045-331M	330±20%	1.651	1.270	2.8	0.57	0.63	0.57	0.63
HSNR6045-471M	470±20%	2.340	1.80	2.0	0.500	0.560	0.420	0.480
HSNR6045-681M	680±20%	3.250	2.50	1.7	0.420	0.460	0.330	0.380

HSNR8040 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	@100kHz,1V μH	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR8040-R82N	0.82±30%	0.010	0.008	94	13.80	16.00	6.30	6.90
HSNR8040-1R0N	1.0±30%	0.010	0.008	89	9.85	14.00	6.30	6.90
HSNR8040-1R2N	1.2±30%	0.013	0.010	59	10.00	14.00	5.65	6.20
HSNR8040-1R5N	1.5±30%	0.013	0.010	67	8.15	11.00	5.65	6.20
HSNR8040-2R0N	2.0±30%	0.016	0.012	43	9.25	10.00	5.15	5.60
HSNR8040-2R2N	2.2±30%	0.016	0.012	41	7.10	8.00	5.15	5.60
HSNR8040-3R0N	3.0±30%	0.018	0.014	32	6.10	7.00	4.70	5.20
HSNR8040-3R3N	3.3±30%	0.022	0.017	27	6.50	7.00	4.40	4.80
HSNR8040-3R6N	3.6±30%	0.022	0.017	30	7.52	8.50	4.35	4.80
HSNR8040-3R9N	3.9±30%	0.022	0.017	26	5.75	6.50	4.35	4.80
HSNR8040-4R7N	4.7±30%	0.025	0.019	24	5.90	6.50	4.10	4.50
HSNR8040-5R1N	5.1±30%	0.025	0.019	22	4.70	5.40	4.05	4.40
HSNR8040-5R6N	5.6±30%	0.027	0.021	24	6.00	6.90	3.85	4.20
HSNR8040-6R2N	6.2±30%	0.027	0.021	20	4.45	5.10	3.85	4.20
HSNR8040-6R8M	6.8±20%	0.031	0.024	20	4.55	5.20	3.60	4.00
HSNR8040-8R2M	8.2±20%	0.034	0.026	17	4.20	4.80	3.45	3.80
HSNR8040-100M	10±20%	0.038	0.029	15	3.60	4.10	3.30	3.60
HSNR8040-120M	12±20%	0.053	0.041	13	3.50	4.00	2.80	3.00
HSNR8040-150M	15±20%	0.061	0.047	12	2.95	3.40	2.60	2.80
HSNR8040-180M	18±20%	0.069	0.053	11	2.70	3.10	2.40	2.60
HSNR8040-220M	22±20%	0.090	0.069	9.5	2.40	2.70	2.10	2.30
HSNR8040-270M	27±20%	0.101	0.078	9.2	2.15	2.50	2.00	2.20
HSNR8040-330M	33±20%	0.126	0.097	7.8	2.05	2.40	1.80	2.00
HSNR8040-360M	36±20%	0.133	0.102	7.8	2.00	2.30	1.75	1.90
HSNR8040-390M	39±20%	0.139	0.107	7.8	1.95	2.20	1.70	1.90

规格特性 SPECIFICATIONS

HSNR8040 Series

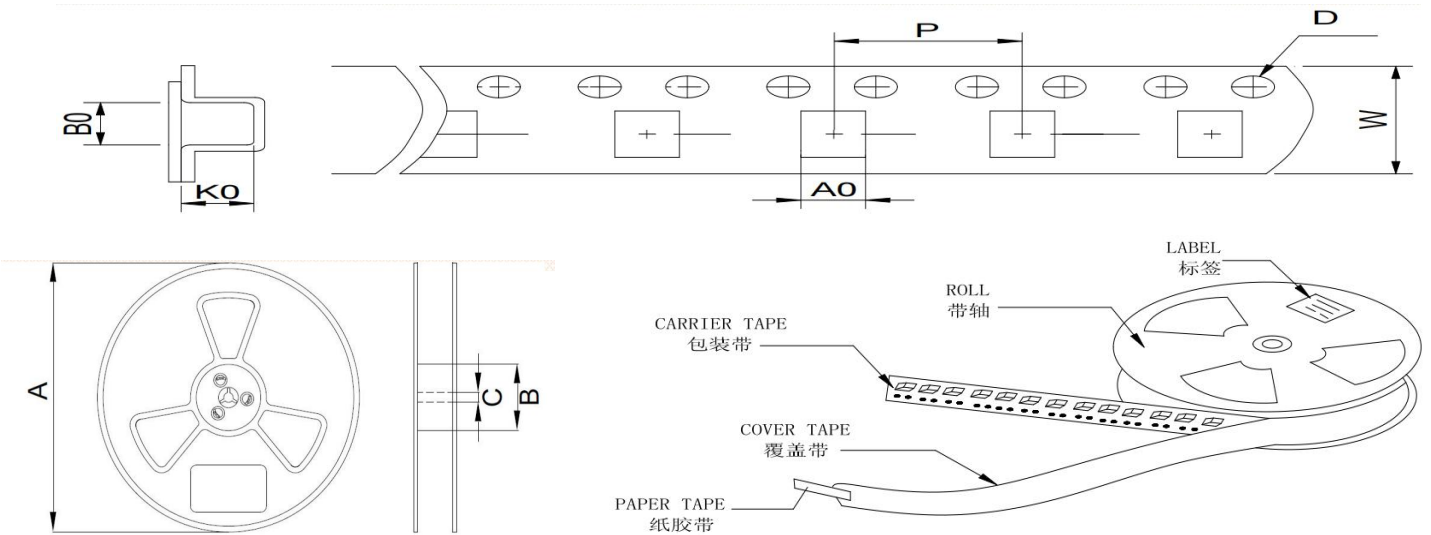
Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μ H	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR8040-430M	43±20%	0.147	0.113	7.8	1.90	2.20	1.65	1.80
HSNR8040-470M	47±20%	0.177	0.136	6.4	1.75	2.00	1.55	1.70
HSNR8040-510M	51±20%	0.185	0.142	6.4	1.70	1.90	1.50	1.60
HSNR8040-560M	56±20%	0.192	0.148	6.4	1.55	1.70	1.45	1.60
HSNR8040-620M	62±20%	0.237	0.182	6.4	1.50	1.60	1.30	1.40
HSNR8040-680M	68±20%	0.255	0.196	4.9	1.45	1.60	1.25	1.40
HSNR8040-750M	75±20%	0.274	0.211	4.9	1.35	1.50	1.20	1.30
HSNR8040-820M	82±20%	0.293	0.225	5.9	1.30	1.40	1.15	1.20
HSNR8040-910M	91±20%	0.354	0.272	4.9	1.20	1.30	1.05	1.10
HSNR8040-101M	100±20%	0.377	0.290	4.2	1.15	1.30	1.00	1.10
HSNR8040-121M	120±20%	0.434	0.334	3.5	1.05	1.10	0.95	1.00
HSNR8040-151M	150±20%	0.533	0.410	3.5	1.10	1.20	0.85	0.94
HSNR8040-181M	180±20%	0.676	0.520	3.5	0.95	1.15	0.83	0.92
HSNR8040-221M	220±20%	0.779	0.599	3.5	0.85	0.94	0.80	0.88
HSNR8040-331M	330±20%	1.156	0.889	2.8	0.68	0.75	0.64	0.70
HSNR8040-471M	470±20%	1.625	1.250	2.1	0.60	0.70	0.50	0.60

HSNR8065 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current		Heat Rating Current	
	@100kHz,1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	μ H	Ω		MHz	A		A	
	L	DCR		S.R.F	Isat		Irms	
HSNR8065-1R0M	1.0±20%	0.011	0.008	96	20.0	22.0	7.00	8.00
HSNR8065-3R3M	3.3±20%	0.018	0.015	27	9.50	10.00	5.10	5.90
HSNR8065-4R7M	4.7±20%	0.022	0.018	18	8.50	9.50	4.70	5.40
HSNR8065-5R6M	5.6±20%	0.026	0.022	17	8.00	9.00	4.50	5.20
HSNR8065-6R8M	6.8±20%	0.026	0.022	16	7.50	8.00	4.50	5.20
HSNR8065-8R2M	8.2±20%	0.031	0.026	15	7.00	7.70	4.20	4.80
HSNR8065-100M	10±20%	0.044	0.037	13	8.00	8.90	3.20	3.70
HSNR8065-220M	22±20%	0.072	0.060	8	4.30	4.80	2.70	3.10
HSNR8065-101M	100±20%	0.280	0.233	3.1	2.00	2.40	1.35	1.45
HSNR8065-151M	150±20%	0.440	0.353	2.5	1.60	2.00	0.95	1.10
HSNR8065-221M	220±20%	0.656	0.547	2.0	1.20	1.50	0.80	0.90
HSNR8065-331M	330±20%	0.840	0.700	1.7	1.00	1.20	0.75	0.85
HSNR8065-471M	470±20%	1.560	1.300	1.4	1.00	1.20	0.55	0.65

- ※1: All test data is referenced to 20°C ambient;
- ※2: Rated current: Isat or Irms, whichever is smaller;
- ※*3: Isat: DC current at which the inductance drops approximate 30% from its value without current;
- ※*4: Irms: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 20°C ambient.

包装方式PACKING



Type	Tape Dimension (mm)						Reel Dimension (mm)			Quantity (Pcs/Reel)
	W	A0	B0	K0	D	P	A	B	C	
HSNR251210	8	2.4	2.9	1.25	1.5	4	178	58	13	2000
HSNR251212	8	2.4	2.65	1.6	1.5	4	178	58	13	2000
HSNR3010	8	3.3	3.3	1.4	1.5	4	178	58	13	2000
HSNR3012	8	3.3	3.3	1.6	1.5	4	178	58	13	2000
HSNR3015	8	3.3	3.3	1.9	1.5	4	178	58	13	2000
HSNR4010	12	4.3	4.3	1.4	1.5	8	330	100	13	5000
HSNR4012	12	4.3	4.3	1.4	1.5	8	330	100	13	4500
HSNR4018	12	4.3	4.3	2.2	1.5	8	330	100	13	3000
HSNR4020	12	4.3	4.3	2.4	1.5	8	330	100	13	300
HSNR4030	12	4.3	4.3	3.4	1.5	8	330	100	13	2000
HSNR5012	12	5.4	5.4	1.6	1.5	8	330	100	13	4500
HSNR5020	12	5.4	5.4	2.4	1.5	8	330	100	13	2500/3000
HSNR5040	12	5.4	5.4	4.4	1.5	8	330	100	13	1500
HSNR5045	12	5.4	5.4	4.8	1.5	8	330	100	13	1500
HSNR6020	16	6.4	6.4	2.4	1.5	8	330	100	13	2500/3000
HSNR6028	16	6.4	6.4	3.2	1.5	8	330	100	13	2000
HSNR6045	16	6.4	6.4	4.8	1.5	8	330	100	13	1500
HSNR8040	16	8.4	8.4	4.4	1.5	12	330	100	13	1000
HSNR8065	16	8.4	8.4	6.9	1.5	12	330	100	13	700