

FEATURES

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- Take up less PCB real estate and save more power



APPLICATIONS

- Mobile devices with multifunction such as adding color TV and camera, LED Lighting
- Flat-screen TVs, blue-ray disc recorders, set top boxes
- Notebooks, desktop computers, servers, graphic cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Automotive systems, Telecomm base stations

PRODUCT IDENTIFICATION

SNR 3015F – 150 M – T
a b c d e

a : Series name

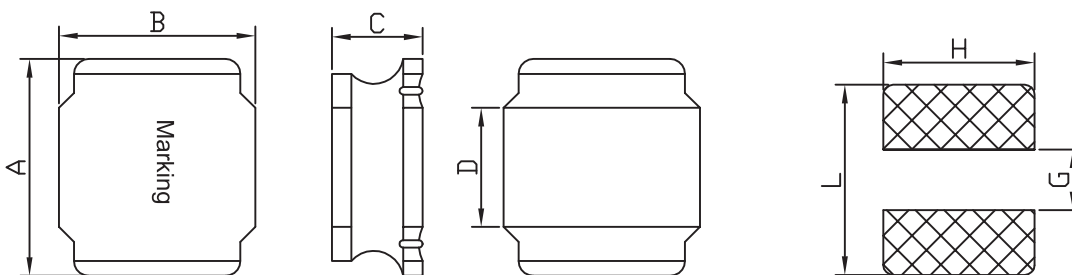
b : Product dimensions

c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)

d : Inductance Tolerance (K:10% ; M:20% ; N:30%)

e : Packaging style (T: Taping; B: bulk)

SHAPES AND DIMENSIONS Unit: mm



Series	Dimensions(mm)						
	A	B	C Max.	D	L	G	H
SNR3010	3.0±0.2	3.0±0.2	1.00	2.5	3.5	1.5	2.70
SNR3012	3.0±0.2	3.0±0.2	1.20	2.5	3.5	1.5	2.70
SNR3015	3.0±0.2	3.0±0.2	1.50	2.5	3.5	1.5	2.70
SNR4010	4.0±0.2	4.0±0.2	1.00	3.3	5.0	1.9	3.70
SNR4012	4.0±0.2	4.0±0.2	1.20	3.3	5.0	1.9	3.70
SNR4018	4.0±0.2	4.0±0.2	1.80	3.3	5.0	1.9	3.70
SNR4020	4.0±0.2	4.0±0.2	2.0	3.3	5.0	1.9	3.70
SNR4026	4.0±0.2	4.0±0.2	2.6	3.3	5.0	1.9	3.70
SNR4030	4.0±0.2	4.0±0.2	3.0	3.3	5.0	1.9	3.70
SNR5012	4.9±0.2	4.9±0.2	1.20	4.0	5.7	2.3	4.20

Series	Dimensions(mm)						
	A	B	C Max.	D	L Ref.	G Ref.	H Ref.
SNR5020	4.9±0.2	4.9±0.2	2.00	4.0	5.7	2.3	4.20
SNR5040	4.9±0.2	4.9±0.2	4.00	4.0	5.7	2.3	4.20
SNR6020	6.0±0.3	6.0±0.3	2.00	4.9	6.5	2.8	5.70
SNR6028	6.0±0.3	6.0±0.3	2.80	4.9	6.5	2.8	5.70
SNR6040	6.0±0.3	6.0±0.3	4.00	4.9	6.5	2.8	5.70
SNR6045	6.0±0.3	6.0±0.3	4.50	4.9	6.5	2.8	5.70
SNR8040	8.0±0.3	8.0±0.3	4.00	6.3	9.0	3.8	7.50

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR3010A-1R0NT	1.0	100	0.065	2.10	1.45	180
SNR3010A-1R2NT	1.2	100	0.065	1.70	1.45	137
SNR3010A-1R5NT	1.5	100	0.080	1.55	1.30	120
SNR3010A-2R2NT	2.2	100	0.110	1.50	1.09	100
SNR3010A-2R7NT	2.7	100	0.130	1.20	1.02	90
SNR3010A-3R3NT	3.3	100	0.145	1.15	0.96	74
SNR3010A-3R6MT	3.6	100	0.165	1.10	0.90	67
SNR3010A-4R7MT	4.7	100	0.225	1.05	0.77	59
SNR3010A-5R6MT	5.6	100	0.248	0.85	0.70	45
SNR3010A-6R8MT	6.8	100	0.305	0.75	0.66	42
SNR3010A-8R2MT	8.2	100	0.400	0.72	0.58	40
SNR3010A-100MT	10	100	0.400	0.70	0.55	39
SNR3010A-120MT	12	100	0.505	0.65	0.52	36
SNR3010A-150MT	15	100	0.610	0.57	0.47	30
SNR3010A-220MT	22	100	0.930	0.48	0.38	28
SNR3010A-270MT	27	100	1.080	0.45	0.35	25
SNR3010A-330MT	33	100	1.550	0.42	0.30	23
SNR3010A-390MT	39	100	1.750	0.38	0.28	18
SNR3010A-430MT	43	100	1.800	0.36	0.27	18
SNR3010A-470MT	47	100	1.950	0.35	0.26	17
SNR3010A-510MT	51	100	2.200	0.33	0.25	17
SNR3010A-560MT	56	100	2.320	0.28	0.24	16

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±20%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR3012A-R22NT	0.22	100	0.017	6.00	3.00	321
SNR3012A-R82NT	0.82	100	0.030	2.80	2.47	180
SNR3012A-1R0NT	1.0	100	0.040	2.70	2.20	120
SNR3012A-1R2NT	1.2	100	0.045	2.50	2.01	115
SNR3012A-1R5NT	1.5	100	0.052	1.90	1.90	110
SNR3012A-1R8NT	1.8	100	0.063	1.85	1.65	90
SNR3012A-2R2NT	2.2	100	0.075	1.80	1.55	84
SNR3012A-2R4NT	2.4	100	0.068	1.50	1.50	73
SNR3012A-2R7NT	2.7	100	0.085	1.45	1.48	65
SNR3012A-3R3MT	3.3	100	0.100	1.40	1.36	64
SNR3012A-3R6MT	3.6	100	0.120	1.35	1.30	61
SNR3012A-3R9MT	3.9	100	0.145	1.30	1.24	58
SNR3012A-4R7MT	4.7	100	0.160	1.00	1.18	55
SNR3012A-5R6MT	5.6	100	0.174	0.95	1.13	52
SNR3012A-6R8MT	6.8	100	0.190	0.90	0.98	49
SNR3012A-100MT	10	100	0.265	0.88	0.83	42
SNR3012A-120MT	12	100	0.345	0.67	0.73	32
SNR3012A-150MT	15	100	0.360	0.62	0.71	27
SNR3012A-180MT	18	100	0.545	0.59	0.58	25
SNR3012A-220MT	22	100	0.645	0.52	0.53	23
SNR3012A-270MT	27	100	0.870	0.48	0.47	21
SNR3012A-330MT	33	100	0.895	0.46	0.46	18
SNR3012A-360MT	36	100	0.950	0.44	0.44	17
SNR3012A-390MT	39	100	1.330	0.39	0.37	16
SNR3012A-470MT	47	100	1.450	0.35	0.35	14
SNR3012A-560MT	56	100	1.580	0.33	0.28	9
SNR3012A-680MT	68	100	1.670	0.29	0.27	7
SNR3012A-820MT	82	100	2.540	0.27	0.26	6
SNR3012A-101MT	100	100	2.860	0.23	0.25	5

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR±20%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR3015F-1R0NT	1.0	100	0.030	3.10	2.35	150
SNR3015F-1R2NT	1.2	100	0.040	2.80	1.95	110
SNR3015F-1R5NT	1.5	100	0.050	2.70	1.70	100
SNR3015F-1R8NT	1.8	100	0.055	2.20	1.65	92
SNR3015F-2R2NT	2.2	100	0.060	2.00	1.60	86
SNR3015F-2R7NT	2.7	100	0.075	1.90	1.43	68
SNR3015F-3R3MT	3.3	100	0.080	1.81	1.36	64
SNR3015F-3R6MT	3.6	100	0.105	1.60	1.20	59
SNR3015F-3R9MT	3.9	100	0.110	1.40	1.17	53
SNR3015F-4R3MT	4.3	100	0.115	1.35	1.14	49
SNR3015F-4R7MT	4.7	100	0.125	1.30	1.09	47
SNR3015F-5R1MT	5.1	100	0.133	1.20	1.05	46
SNR3015F-6R2MT	6.2	100	0.195	1.15	0.86	43
SNR3015F-6R8MT	6.8	100	0.200	1.10	0.83	41
SNR3015F-100MT	10	100	0.250	0.92	0.77	39
SNR3015F-120MT	12	100	0.320	0.90	0.68	32
SNR3015F-150MT	15	100	0.350	0.88	0.65	30
SNR3015F-180MT	18	100	0.430	0.72	0.59	25
SNR3015F-220MT	22	100	0.460	0.68	0.57	23
SNR3015F-270MT	27	100	0.730	0.56	0.45	22
SNR3015F-330MT	33	100	0.820	0.53	0.43	20
SNR3015F-390MT	39	100	0.995	0.50	0.39	16
SNR3015F-430MT	43	100	1.060	0.45	0.37	15
SNR3015F-470MT	47	100	1.250	0.43	0.35	14
SNR3015F-560MT	56	100	1.280	0.42	0.34	13
SNR3015F-620MT	62	100	1.610	0.40	0.30	12
SNR3015F-680MT	68	100	2.700	0.37	0.23	11
SNR3015F-101MT	100	100	3.110	0.25	0.21	6.3
SNR3015F-151MT	150	100	3.800	0.22	0.19	4.7

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4010B-1R0NT	1.0	100	0.056	2.00	1.90	116
SNR4010B-1R5NT	1.5	100	0.070	1.68	1.70	94
SNR4010B-2R2NT	2.2	100	0.085	1.20	1.50	73
SNR4010B-3R3NT	3.3	100	0.100	1.10	1.40	58
SNR4010B-4R7NT	4.7	100	0.140	0.95	1.20	47
SNR4010B-6R8NT	6.8	100	0.200	0.80	1.00	38
SNR4010B-100MT	10	100	0.300	0.62	0.75	31
SNR4010B-150MT	15	100	0.430	0.54	0.60	24
SNR4010B-220MT	22	100	0.570	0.45	0.50	19

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4012B-R82NT	0.82	100	0.050	3.02	1.65	150
SNR4012B-1R0NT	1.0	100	0.055	2.61	1.55	120
SNR4012B-1R5NT	1.5	100	0.065	2.20	1.46	90
SNR4012B-1R8NT	1.8	100	0.080	2.12	1.32	88
SNR4012B-2R2NT	2.2	100	0.085	1.90	1.30	74
SNR4012B-2R7NT	2.7	100	0.090	1.76	1.25	71
SNR4012B-3R3NT	3.3	100	0.110	1.72	1.15	60
SNR4012B-3R6NT	3.6	100	0.120	1.58	1.12	57
SNR4012B-4R3NT	4.3	100	0.140	1.20	1.10	54
SNR4012B-4R7NT	4.7	100	0.145	1.15	1.05	50
SNR4012B-5R1NT	5.1	100	0.155	1.05	0.97	47
SNR4012B-5R6NT	5.6	100	0.170	1.00	0.95	42
SNR4012B-6R8MT	6.8	100	0.198	0.85	0.84	40
SNR4012B-100MT	10	100	0.265	0.80	0.77	33
SNR4012B-120MT	12	100	0.290	0.66	0.70	32
SNR4012B-150MT	15	100	0.340	0.56	0.64	25
SNR4012B-180MT	18	100	0.470	0.55	0.55	23
SNR4012B-220MT	22	100	0.587	0.46	0.49	20
SNR4012B-270MT	27	100	0.720	0.45	0.45	18
SNR4012B-330MT	33	100	0.810	0.42	0.42	17
SNR4012B-360MT	36	100	0.900	0.40	0.40	16
SNR4012B-390MT	39	100	1.100	0.37	0.37	14
SNR4012B-470MT	47	100	1.150	0.35	0.35	12
SNR4012B-560MT	56	100	1.250	0.33	0.33	11
SNR4012B-680MT	68	100	1.950	0.30	0.27	10.5
SNR4012B-820MT	82	100	2.140	0.28	0.26	10
SNR4012B-101MT	100	100	2.210	0.25	0.25	9.4

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4018B-R47NT	0.47	100	0.014	4.80	4.00	155
SNR4018B-R68NT	0.68	100	0.020	4.30	3.30	128
SNR4018B-1R0NT	1.0	100	0.025	4.00	2.00	80
SNR4018B-1R5NT	1.5	100	0.030	3.40	1.80	65
SNR4018B-1R8NT	1.8	100	0.034	3.00	1.75	54
SNR4018B-2R2MT	2.2	100	0.045	2.70	1.65	52
SNR4018B-3R3MT	3.3	100	0.070	2.45	1.23	44
SNR4018B-4R7MT	4.7	100	0.090	1.70	1.20	34
SNR4018B-6R8MT	6.8	100	0.110	1.45	1.06	29
SNR4018B-100MT	10	100	0.180	1.30	0.84	24
SNR4018B-150MT	15	100	0.250	0.94	0.65	19
SNR4018B-220MT	22	100	0.360	0.80	0.59	16
SNR4018B-270MT	27	100	0.470	0.67	0.52	13
SNR4018B-330MT	33	100	0.530	0.60	0.49	12
SNR4018B-470MT	47	100	0.650	0.56	0.42	10
SNR4018B-680MT	68	100	1.000	0.47	0.32	8.3
SNR4018B-101MT	100	100	1.750	0.40	0.25	6.5
SNR4018B-151MT	150	100	2.500	0.31	0.22	5.5
SNR4018B-221MT	220	100	4.000	0.27	0.17	4

Part Number	L(μH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4020B-R33NT	0.33	100	0.013	7.50	3.30	223
SNR4020B-R47NT	0.47	100	0.022	7.00	3.10	160
SNR4020B-R68NT	0.68	100	0.028	6.40	2.80	120
SNR4020B-1R0NT	1.0	100	0.029	5.70	2.25	75
SNR4020B-1R2NT	1.2	100	0.031	5.10	2.15	72
SNR4020B-1R5NT	1.5	100	0.035	4.45	1.98	71
SNR4020B-2R2NT	2.2	100	0.040	3.40	1.85	49
SNR4020B-3R3MT	3.3	100	0.065	3.20	1.54	45
SNR4020B-3R6MT	3.6	100	0.070	2.80	1.40	43
SNR4020B-4R7MT	4.7	100	0.075	2.35	1.34	42
SNR4020B-5R1MT	5.1	100	0.085	2.30	1.27	40
SNR4020B-5R6MT	5.6	100	0.090	2.20	1.22	36
SNR4020B-6R2MT	6.2	100	0.115	2.15	1.18	33
SNR4020B-6R8MT	6.8	100	0.125	2.00	1.15	31
SNR4020B-7R5MT	7.5	100	0.135	1.85	1.08	30
SNR4020B-8R2MT	8.2	100	0.145	1.75	1.04	27
SNR4020B-100MT	10	100	0.165	1.60	0.90	26
SNR4020B-120MT	12	100	0.175	1.50	0.88	25
SNR4020B-150MT	15	100	0.230	1.35	0.77	24

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4020B-220MT	22	100	0.350	1.05	0.62	15
SNR4020B-270MT	27	100	0.545	1.02	0.50	14
SNR4020B-330MT	33	100	0.550	0.85	0.49	11
SNR4020B-390MT	39	100	0.650	0.82	0.46	11
SNR4020B-430MT	43	100	0.660	0.77	0.45	10
SNR4020B-470MT	47	100	0.710	0.74	0.44	10
SNR4020B-510MT	51	100	0.750	0.70	0.42	10
SNR4020B-560MT	56	100	0.800	0.66	0.41	10
SNR4020B-620MT	62	100	0.900	0.65	0.39	9.6
SNR4020B-680MT	68	100	1.060	0.61	0.36	7.7
SNR4020B-750MT	75	100	1.160	0.55	0.35	7.7
SNR4020B-820MT	82	100	1.170	0.50	0.34	7.7
SNR4020B-101MT	100	100	1.550	0.48	0.31	6.3

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4026B-1R0NT	1.0	100	0.024	3.30	3.00	151
SNR4026B-1R2NT	1.2	100	0.030	3.10	2.30	120
SNR4026B-1R5NT	1.5	100	0.035	2.40	2.20	100
SNR4026B-2R2MT	2.2	100	0.040	2.10	2.00	96
SNR4026B-3R3MT	3.3	100	0.050	1.80	1.70	58
SNR4026B-4R7MT	4.7	100	0.055	1.45	1.60	46
SNR4026B-6R8MT	6.8	100	0.065	1.30	1.50	33
SNR4026B-100MT	10	100	0.085	1.00	1.30	26
SNR4026B-150MT	15	100	0.110	0.90	1.10	19
SNR4026B-220MT	22	100	0.165	0.60	0.90	13
SNR4026B-330MT	33	100	0.270	0.55	0.70	9
SNR4026B-470MT	47	100	0.300	0.40	0.65	6

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR4030B-1R0NT	1.0	100	0.014	5.80	4.15	80
SNR4030B-1R2NT	1.2	100	0.015	5.40	3.82	70
SNR4030B-1R5NT	1.5	100	0.020	5.20	3.34	62
SNR4030B-1R8NT	1.8	100	0.025	4.90	3.20	60
SNR4030B-2R2NT	2.2	100	0.030	4.50	2.95	52
SNR4030B-3R3MT	3.3	100	0.040	3.50	2.40	38
SNR4030B-3R6MT	3.6	100	0.045	3.20	2.30	37
SNR4030B-3R9MT	3.9	100	0.051	3.00	2.20	33
SNR4030B-4R3MT	4.3	100	0.055	2.95	2.10	32
SNR4030B-4R7MT	4.7	100	0.060	2.90	2.00	31
SNR4030B-5R6MT	5.6	100	0.065	2.75	1.95	30
SNR4030B-6R8MT	6.8	100	0.080	2.60	1.80	28
SNR4030B-7R5MT	7.5	100	0.085	2.20	1.65	26
SNR4030B-8R2MT	8.2	100	0.090	2.10	1.60	24
SNR4030B-100MT	10	100	0.100	1.95	1.50	21
SNR4030B-120MT	12	100	0.135	1.70	1.30	18
SNR4030B-150MT	15	100	0.190	1.65	1.11	16
SNR4030B-180MT	18	100	0.200	1.40	1.10	15
SNR4030B-220MT	22	100	0.225	1.30	1.00	14
SNR4030B-270MT	27	100	0.260	1.15	0.90	13
SNR4030B-330MT	33	100	0.330	1.10	0.84	12
SNR4030B-360MT	36	100	0.335	1.05	0.83	10
SNR4030B-390MT	39	100	0.435	1.03	0.73	9.8
SNR4030B-470MT	47	100	0.445	0.95	0.72	9.2
SNR4030B-510MT	51	100	0.470	0.90	0.70	8.7
SNR4030B-560MT	56	100	0.555	0.85	0.65	8.4
SNR4030B-620MT	62	100	0.585	0.80	0.63	7
SNR4030B-680MT	68	100	0.868	0.72	0.52	6.5
SNR4030B-750MT	75	100	1.020	0.70	0.48	6.3
SNR4030B-820MT	82	100	1.060	0.66	0.47	5.6
SNR4030B-910MT	91	100	1.100	0.65	0.46	5.5
SNR4030B-101MT	100	100	1.150	0.60	0.45	5.4
SNR4030B-121MT	120	100	1.350	0.55	0.42	5.2
SNR4030B-151MT	150	100	1.800	0.50	0.35	4.5
SNR4030B-221MT	220	100	2.500	0.40	0.30	4.2
SNR4030B-331MT	330	100	4.000	0.30	0.25	3.8
SNR4030B-471MT	470	100	6.944	0.28	0.20	2.5
SNR4030B-561MT	560	100	7.200	0.25	0.15	2.0
SNR4030B-681MT	680	100	7.580	0.19	0.14	1.2

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR5012B-R22NT	0.22	100	0.028	8.10	3.00	315
SNR5012B-1R0NT	1.0	100	0.057	4.40	2.00	103
SNR5012B-1R5NT	1.5	100	0.072	3.70	1.90	68
SNR5012B-2R2NT	2.2	100	0.090	3.10	1.70	50
SNR5012B-3R3NT	3.3	100	0.126	2.40	1.40	34
SNR5012B-4R7NT	4.7	100	0.164	2.20	1.30	31
SNR5012B-6R8MT	6.8	100	0.245	1.70	1.00	22
SNR5012B-100MT	10	100	0.344	1.40	0.85	17
SNR5012B-150MT	15	100	0.436	1.20	0.80	13
SNR5012B-220MT	22	100	0.780	0.88	0.60	16

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR5020B-R22NT	0.22	100	0.009	9.00	5.30	280
SNR5020B-R24NT	0.24	100	0.009	8.50	5.30	248
SNR5020B-R47NT	0.47	100	0.013	7.00	4.60	160
SNR5020B-R56NT	0.56	100	0.017	6.50	4.20	137
SNR5020B-R68MT	0.68	100	0.017	5.50	4.00	120
SNR5020B-R75NT	0.75	100	0.017	5.10	4.00	117
SNR5020B-1R0NT	1.0	100	0.020	4.50	3.80	114
SNR5020B-1R2NT	1.2	100	0.022	4.20	3.55	83
SNR5020B-1R5NT	1.5	100	0.026	4.10	3.20	68
SNR5020B-2R2NT	2.2	100	0.032	3.20	2.90	57
SNR5020B-2R7NT	2.7	100	0.038	2.90	2.70	52
SNR5020B-3R0NT	3.0	100	0.038	2.65	2.70	49
SNR5020B-3R3NT	3.3	100	0.043	2.65	2.50	46
SNR5020B-3R6NT	3.6	100	0.043	2.50	2.50	43
SNR5020B-3R9NT	3.9	100	0.043	2.45	2.50	40
SNR5020B-4R3MT	4.3	100	0.057	2.40	2.20	37
SNR5020B-4R7MT	4.7	100	0.057	2.35	2.20	37
SNR5020B-5R1MT	5.1	100	0.064	2.30	2.05	32
SNR5020B-5R6MT	5.6	100	0.064	2.25	2.05	32
SNR5020B-6R8MT	6.8	100	0.083	2.05	1.80	30
SNR5020B-7R5MT	7.5	100	0.090	1.85	1.75	26
SNR5020B-8R2MT	8.2	100	0.098	1.85	1.65	26
SNR5020B-9R1MT	9.1	100	0.110	1.70	1.55	24
SNR5020B-100MT	10	100	0.110	1.70	1.55	24
SNR5020B-120MT	12	100	0.140	1.50	1.40	22
SNR5020B-150MT	15	100	0.165	1.35	1.25	20
SNR5020B-180MT	18	100	0.200	1.25	1.15	16
SNR5020B-220MT	22	100	0.226	1.15	1.10	14
SNR5020B-330MT	33	100	0.390	0.92	0.90	10

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

SNR5020B-470MT	47	100	0.523	0.77	0.77	7
SNR5020B-560MT	56	100	0.630	0.77	0.70	6
SNR5020B-680MT	68	100	0.740	0.65	0.64	6
SNR5020B-820MT	82	100	0.965	0.65	0.50	6
SNR5020B-101MT	100	100	1.100	0.53	0.53	6
SNR5020B-121MT	120	100	1.350	0.42	0.40	6
SNR5020B-201MT	200	100	2.000	0.30	0.40	4.5

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR5040B-1R0NT	1.0	100	0.012	7.35	4.90	117
SNR5040B-1R2NT	1.2	100	0.015	6.50	4.30	110
SNR5040B-1R5NT	1.5	100	0.016	6.30	4.15	86
SNR5040B-1R8MT	1.8	100	0.016	5.50	4.15	55
SNR5040B-2R2NT	2.2	100	0.019	4.90	3.80	50
SNR5040B-2R7NT	2.7	100	0.022	4.30	3.60	37
SNR5040B-3R0NT	3.0	100	0.022	4.15	3.60	37
SNR5040B-3R3NT	3.3	100	0.024	3.95	3.40	32
SNR5040B-3R6MT	3.6	100	0.026	3.80	3.30	30
SNR5040B-3R9NT	3.9	100	0.027	3.55	3.20	29
SNR5040B-4R7NT	4.7	100	0.030	3.50	3.00	28
SNR5040B-5R6MT	5.6	100	0.035	3.00	2.80	27
SNR5040B-6R8MT	6.8	100	0.043	2.90	2.50	21
SNR5040B-8R2MT	8.2	100	0.048	2.70	2.30	20
SNR5040B-100MT	10	100	0.064	2.35	2.10	18
SNR5040B-150MT	15	100	0.086	2.00	2.00	13
SNR5040B-220MT	22	100	0.129	1.60	1.50	11
SNR5040B-330MT	33	100	0.188	1.30	1.20	9
SNR5040B-470MT	47	100	0.272	1.10	1.00	7
SNR5040B-680MT	68	100	0.400	0.90	0.80	6
SNR5040B-101MT	100	100	0.560	0.75	0.70	5
SNR5040B-151MT	150	100	0.750	0.65	0.60	3.7
SNR5040B-102MT	1000	100	6.000	0.21	0.20	1.3

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR6020B-R50NT	0.50	100	0.014	6.50	4.00	120
SNR6020B-R68NT	0.68	100	0.017	5.90	3.80	115
SNR6020B-R82NT	0.82	100	0.017	5.50	3.80	110
SNR6020B-1R0NT	1.0	100	0.020	5.30	3.50	100
SNR6020B-1R2NT	1.2	100	0.022	5.15	3.20	88
SNR6020B-1R5NT	1.5	100	0.022	4.85	3.20	79
SNR6020B-1R8NT	1.8	100	0.028	4.40	2.75	68
SNR6020B-2R0NT	2.0	100	0.035	4.10	2.75	65
SNR6020B-2R2NT	2.2	100	0.028	3.90	2.60	61
SNR6020B-2R7NT	2.7	100	0.035	3.75	2.50	56
SNR6020B-3R3NT	3.3	100	0.035	3.55	2.40	51
SNR6020B-3R9NT	3.9	100	0.049	3.25	2.10	45
SNR6020B-4R3NT	4.3	100	0.049	3.00	2.10	44
SNR6020B-4R7NT	4.7	100	0.058	2.70	2.00	41
SNR6020B-5R6NT	5.6	100	0.058	2.40	1.90	36
SNR6020B-6R2NT	6.2	100	0.079	2.30	1.80	31
SNR6020B-6R8NT	6.8	100	0.079	2.20	1.80	31
SNR6020B-8R2NT	8.2	100	0.105	2.10	1.40	27
SNR6020B-100MT	10	100	0.105	1.75	1.40	27
SNR6020B-120MT	12	100	0.120	1.45	1.30	25
SNR6020B-150MT	15	100	0.145	1.20	1.20	21
SNR6020B-180MT	18	100	0.180	1.20	1.08	18
SNR6020B-220MT	22	100	0.204	1.05	1.00	16
SNR6020B-330MT	33	100	0.300	0.95	0.84	11
SNR6020B-470MT	47	100	0.430	0.70	0.80	10
SNR6020B-331MT	330	100	2.630	0.27	0.33	3

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR6028B-R82NT	0.82	100	0.010	6.50	5.20	97
SNR6028B-1R0NT	1.0	100	0.012	6.40	5.20	70
SNR6028B-1R2NT	1.2	100	0.013	6.00	4.58	69
SNR6028B-1R5NT	1.5	100	0.013	5.75	4.58	65
SNR6028B-2R2NT	2.2	100	0.020	5.10	3.75	48
SNR6028B-2R7NT	2.7	100	0.020	4.50	3.75	48
SNR6028B-3R3NT	3.3	100	0.025	4.15	3.48	41
SNR6028B-4R7NT	4.7	100	0.030	3.30	3.08	35
SNR6028B-5R1NT	5.1	100	0.043	3.20	2.60	32
SNR6028B-6R2MT	6.2	100	0.047	3.05	2.40	30
SNR6028B-6R8MT	6.8	100	0.047	2.60	2.40	27
SNR6028B-8R2MT	8.2	100	0.055	2.55	2.25	24
SNR6028B-9R1MT	9.1	100	0.072	2.30	2.15	24
SNR6028B-100MT	10	100	0.074	2.04	1.95	23
SNR6028B-120MT	12	100	0.080	1.80	1.85	18
SNR6028B-150MT	15	100	0.125	1.75	1.45	18
SNR6028B-180MT	18	100	0.130	1.52	1.45	15
SNR6028B-220MT	22	100	0.140	1.50	1.40	14
SNR6028B-270MT	27	100	0.155	1.45	1.32	13
SNR6028B-330MT	33	100	0.185	1.35	1.22	12
SNR6028B-360MT	36	100	0.215	1.25	1.13	11
SNR6028B-390MT	39	100	0.225	1.25	1.10	11
SNR6028B-470MT	47	100	0.315	1.15	1.06	9.5
SNR6028B-560MT	56	100	0.345	1.05	0.89	8.2
SNR6028B-680MT	68	100	0.360	0.80	0.86	7.7
SNR6028B-750MT	75	100	0.410	0.90	0.81	7.7
SNR6028B-820MT	82	100	0.500	0.80	0.70	7.7
SNR6028B-101MT	100	100	0.600	0.65	0.70	7.1
SNR6028B-401MT	400	100	2.160	0.30	0.40	2.8
SNR6028B-102MT	1000	100	5.800	0.18	0.23	1.5

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR6040B-1R0MT	1.0	100	0.008	7.85	6.30	97
SNR6040B-100MT	10	100	0.048	3.20	2.45	16
SNR6040B-120MT	12	100	0.058	2.80	2.20	14
SNR6040B-150MT	15	100	0.068	2.50	2.05	13
SNR6040B-220MT	22	100	0.089	2.05	1.80	10
SNR6040B-330MT	33	100	0.137	1.65	1.45	9.9
SNR6040B-680MT	68	100	0.285	1.15	0.95	5.6
SNR6040B-471MT	470	100	1.790	0.42	0.47	2.0

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR6045B-R47NT	0.47	100	0.006	15.00	6.50	155
SNR6045B-R56NT	0.56	100	0.006	15.00	6.50	142
SNR6045B-R68NT	0.68	100	0.006	11.00	5.90	140
SNR6045B-R82NT	0.82	100	0.008	10.35	5.70	140
SNR6045B-1R0NT	1.0	100	0.010	9.85	5.50	100
SNR6045B-1R2NT	1.2	100	0.010	8.35	5.40	100
SNR6045B-1R3NT	1.3	100	0.011	8.35	5.40	100
SNR6045B-1R5NT	1.5	100	0.012	8.00	4.95	74
SNR6045B-1R8NT	1.8	100	0.012	7.60	4.95	65
SNR6045B-2R2NT	2.2	100	0.014	6.75	4.60	60
SNR6045B-2R3NT	2.3	100	0.015	6.00	4.50	52
SNR6045B-2R7NT	2.7	100	0.020	5.75	4.30	38
SNR6045B-3R0NT	3.0	100	0.021	5.60	3.80	35
SNR6045B-3R3NT	3.3	100	0.021	5.30	3.70	32
SNR6045B-3R6NT	3.6	100	0.021	5.25	3.70	28
SNR6045B-4R3MT	4.3	100	0.023	4.97	3.50	25
SNR6045B-4R5MT	4.5	100	0.026	4.97	3.30	24
SNR6045B-4R7MT	4.7	100	0.026	4.45	3.30	24
SNR6045B-5R1MT	5.1	100	0.026	4.40	3.30	23
SNR6045B-5R6MT	5.6	100	0.029	4.40	3.15	23
SNR6045B-6R2MT	6.2	100	0.031	4.30	3.00	22
SNR6045B-6R3MT	6.3	100	0.031	4.20	3.00	21
SNR6045B-6R8MT	6.8	100	0.031	3.90	3.00	20
SNR6045B-7R5MT	7.5	100	0.034	3.80	2.90	18
SNR6045B-8R2MT	8.2	100	0.043	3.50	2.60	17
SNR6045B-9R1MT	9.1	100	0.043	3.35	2.60	17
SNR6045B-100MT	10	100	0.048	3.20	2.45	15
SNR6045B-120MT	12	100	0.058	2.80	2.20	13

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

SNR6045B-150MT	15	100	0.068	2.50	2.05	12
SNR6045B-180MT	18	100	0.081	2.20	1.85	10
SNR6045B-220MT	22	100	0.089	2.05	1.80	10
SNR6045B-270MT	27	100	0.102	1.90	1.70	9.2
SNR6045B-300MT	30	100	0.132	1.8	1.65	7.5
SNR6045B-330MT	33	100	0.137	1.8	1.65	7.4
SNR6045B-360MT	36	100	0.173	1.8	1.63	7.4
SNR6045B-390MT	39	100	0.180	1.8	1.62	7.2
SNR6045B-430MT	43	100	0.200	1.7	1.50	7.2
SNR6045B-470MT	47	100	0.200	1.4	1.40	7.2
SNR6045B-510MT	51	100	0.207	1.4	1.40	7.0
SNR6045B-560MT	56	100	0.287	1.30	1.40	6.4
SNR6045B-620MT	62	100	0.306	1.25	1.35	6.4
SNR6045B-680MT	68	100	0.376	1.20	1.30	6.4
SNR6045B-750MT	75	100	0.397	1.15	1.20	5.0
SNR6045B-820MT	82	100	0.443	1.05	1.10	4.9
SNR6045B-910MT	91	100	0.467	1.00	1.10	4.9
SNR6045B-101MT	100	100	0.563	0.95	1.00	4.2
SNR6045B-121MT	120	100	0.629	0.85	0.94	4.2
SNR6045B-151MT	150	100	0.754	0.80	0.88	4.2
SNR6045B-221MT	220	100	1.084	0.70	0.77	3.5
SNR6045B-331MT	330	100	1.651	0.57	0.63	2.8
SNR6045B-471MT	470	100	2.340	0.50	0.56	2.0
SNR6045B-681MT	680	100	3.250	0.42	0.46	1.7
SNR6045B-102MT	1000	100	5.850	0.30	0.35	0.8
SNR6045B-152MT	1500	100	8.450	0.24	0.27	0.5

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

I_{rms}: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR8040B-R82NT	0.82	100	0.008	13.80	6.30	94
SNR8040B-1R0NT	1.0	100	0.008	10.00	6.30	89
SNR8040B-1R2NT	1.2	100	0.010	9.85	5.65	67
SNR8040B-1R5NT	1.5	100	0.010	9.25	5.65	59
SNR8040B-2R0NT	2.0	100	0.012	8.15	5.15	43
SNR8040B-2R2NT	2.2	100	0.012	7.52	5.15	41
SNR8040B-3R0NT	3.0	100	0.014	6.50	4.70	32
SNR8040B-3R3NT	3.3	100	0.017	6.10	4.40	30
SNR8040B-3R6NT	3.6	100	0.017	5.90	4.35	27
SNR8040B-3R9NT	3.9	100	0.017	5.75	4.35	26
SNR8040B-4R7NT	4.7	100	0.019	4.90	4.10	24
SNR8040B-5R1NT	5.1	100	0.019	4.70	4.05	24
SNR8040B-5R6NT	5.6	100	0.021	4.55	3.85	20
SNR8040B-6R2NT	6.2	100	0.021	4.50	3.85	20
SNR8040B-6R8MT	6.8	100	0.024	4.35	3.60	20
SNR8040B-8R2MT	8.2	100	0.026	4.20	3.45	17
SNR8040B-100MT	10	100	0.029	3.60	3.30	15
SNR8040B-120MT	12	100	0.041	3.50	2.80	13
SNR8040B-150MT	15	100	0.047	2.95	2.60	12
SNR8040B-180MT	18	100	0.053	2.70	2.40	11
SNR8040B-220MT	22	100	0.069	2.40	2.10	9.5
SNR8040B-270MT	27	100	0.078	2.15	2.00	9.2
SNR8040B-330MT	33	100	0.097	2.05	1.80	7.8
SNR8040B-360MT	36	100	0.102	2.00	1.75	7.8
SNR8040B-390MT	39	100	0.107	1.95	1.70	7.8
SNR8040B-430MT	43	100	0.113	1.90	1.65	7.8
SNR8040B-470MT	47	100	0.136	1.75	1.55	6.4
SNR8040B-510MT	51	100	0.142	1.70	1.50	6.4
SNR8040B-560MT	56	100	0.148	1.55	1.45	6.4
SNR8040B-620MT	62	100	0.182	1.50	1.30	6.4
SNR8040B-680MT	68	100	0.196	1.45	1.25	4.9
SNR8040B-750MT	75	100	0.211	1.35	1.20	4.9
SNR8040B-820MT	82	100	0.225	1.30	1.15	4.9
SNR8040B-910MT	91	100	0.272	1.20	1.05	4.9
SNR8040B-101MT	100	100	0.290	1.15	1.00	4.2
SNR8040B-121MT	120	100	0.334	1.05	0.95	3.5
SNR8040B-151MT	150	100	0.410	1.10	0.85	3.5
SNR8040B-181MT	180	100	0.520	0.95	0.83	3.5
SNR8040B-221MT	220	100	0.599	0.85	0.80	3.5

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR±30%(Ω)	Isat.(A)	Irms.(A)	SRF Min.(MHZ)
SNR8040B-331MT	330	100	0.889	0.68	0.64	2.8
SNR8040B-471MT	470	100	1.260	0.60	0.50	2.1
SNR8040B-681MT	680	100	2.040	0.50	0.45	1.7
SNR8040B-102MT	1000	100	2.800	0.40	0.35	1.4
SNR8040B-152MT	1500	100	5.000	0.32	0.26	1.0

Note:

Isat: DC current at which the inductance drops 35% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 20°C ambient