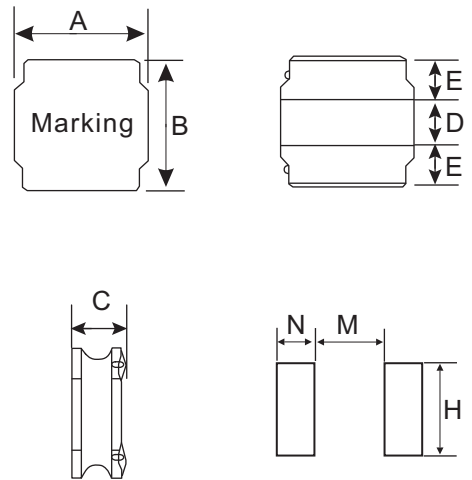


SMD Chip Shielded Power Inductors



Recommended Land Pattern

Dimensions and Footprint (Unit:mm)

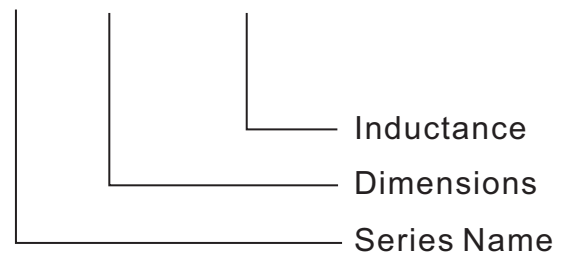
Type	A	B	C	D	E	N(Ref.)	M(Ref.)	H(Ref.)
DNR252010	2.5±0.1	2.0±0.1	1.0Max	0.8±0.2	0.8±0.2	0.85	0.85	2
DNR252012	2.5±0.1	2.0±0.1	1.2Max	0.8±0.2	0.8±0.2	0.85	0.85	2
DNR3010	3.0±0.2	3.0±0.2	1.0Max	1.0±0.2	1.0±0.2	1.1	1	3.2
DNR3012	3.0±0.2	3.0±0.2	1.2Max	1.5±0.2	0.75±0.2	0.8	1.5	2.7
DNR3015	3.0±0.2	3.0±0.2	1.5Max	1.5±0.2	0.75±0.2	0.8	1.5	2.7
DNR4012	4.0±0.2	4.0±0.2	1.2Max	1.6±0.2	1.2±0.2	1.3	1.5	3.7
DNR4018	4.0±0.2	4.0±0.2	1.8Max	1.6±0.2	1.2±0.2	1.3	1.5	3.7
DNR4020	4.0±0.2	4.0±0.2	2.0Max	1.6±0.2	1.2±0.2	1.3	1.5	3.7
DNR4030	4.0±0.2	4.0±0.2	3.0Max	1.3±0.2	1.35±0.2	1.35	1.3	3.7
DNR5020	5.0±0.2	5.0±0.2	2.1Max	1.4±0.2	1.5±0.2	1.8	1.4	4.2
DNR5040	5.0±0.2	5.0±0.2	4.0Max	2.0±0.2	1.5±0.2	1.8	1.8	4.2
DNR6020	6.0±0.3	6.0±0.3	2.0Max	2.6±0.2	1.7±0.2	1.8	2.4	5.7
DNR6028	6.0±0.3	6.0±0.3	2.8Max	2.6±0.2	1.7±0.2	1.8	2.4	5.7
DNR6045	6.0±0.3	6.0±0.3	4.7Max	2.6±0.2	1.7±0.2	1.8	2.4	5.7
DNR8040	8.0±0.3	8.0±0.3	4.2Max	3.8±0.2	2.1±0.2	2.2	3.8	7.5

Description

- Small and very thin inductor.
- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Takes up less PCB real estate and save more power.
- ROHS compliant.
- Applications: LED lighting/Notebook/Desktop.

Part Number Code

DNR3012-1R0M



Electrical Specifications-DNR252010

Part Number	Inductance (μ H)	DCR (m Ω) ($\pm 20\%$)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR252010-R47N	0.47 $\pm 30\%$	56	2.50	2.35	206
DNR252010-R56N	0.56 $\pm 30\%$	72	2.90	2.00	160
DNR252010-R68N	0.68 $\pm 30\%$	74	2.20	2.00	129
DNR252010-1R0N	1.0 $\pm 30\%$	108	1.85	1.65	100
DNR252010-1R5N	1.5 $\pm 30\%$	182	1.80	1.30	81
DNR252010-2R2N	2.2 $\pm 30\%$	209	1.20	1.20	61
DNR252010-3R3M	3.3 $\pm 20\%$	328	1.05	0.90	47
DNR252010-4R7M	4.7 $\pm 20\%$	563	0.95	0.70	42
DNR252010-5R6M	5.6 $\pm 20\%$	563	0.80	0.73	35
DNR252010-6R8M	6.8 $\pm 20\%$	896	0.78	0.59	31
DNR252010-100M	10 $\pm 20\%$	1092	0.65	0.50	27

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR252012

Part Number	Inductance (uH)	DCR (mΩ) (±20%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR252012-R47N	0.47±30%	61	3.82	2.15	160
DNR252012-R68N	0.68±30%	74	3.28	1.95	140
DNR252012-1R0N	1.0±30%	90	2.59	1.93	110
DNR252012-1R2N	1.2±30%	129	2.38	1.46	100
DNR252012-1R5N	1.5±20%	147	2.24	1.40	97
DNR252012-2R2N	2.2±20%	216	1.85	1.15	69
DNR252012-2R7N	2.7±20%	239	1.72	1.09	63
DNR252012-3R3M	3.3±20%	264	1.61	1.04	62
DNR252012-3R6M	3.6±20%	348	1.46	0.90	53
DNR252012-4R3M	4.3±20%	377	1.37	0.87	51
DNR252012-4R7M	4.7±20%	377	1.12	0.84	47
DNR252012-5R1M	5.1±20%	500	1.23	0.75	44
DNR252012-5R6M	5.6±20%	538	1.11	0.73	38
DNR252012-6R2M	6.2±20%	542	1.03	0.73	38
DNR252012-6R8M	6.8±20%	581	0.98	0.69	38
DNR252012-7R5M	7.5±20%	611	0.97	0.68	35
DNR252012-8R2M	8.2±20%	658	0.98	0.65	36
DNR252012-9R1M	9.1±20%	690	0.91	0.62	34
DNR252012-10M	10±20%	690	0.79	0.62	34
DNR252012-12M	12±20%	1075	0.78	0.51	28
DNR252012-15M	15±20%	1591	0.68	0.42	25
DNR252012-22M	22±20%	1976	0.53	0.38	20

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR3010

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR3010-1R0N	1.0±30%	65	1.40	1.45	120
DNR3010-1R2N	1.2±30%	65	1.25	1.45	137
DNR3010-1R5N	1.5±30%	80	1.27	1.30	120
DNR3010-2R2N	2.2±30%	110	1.15	1.09	100
DNR3010-2R7N	2.7±30%	130	1.00	1.02	90
DNR3010-3R3N	3.3±30%	145	0.97	0.96	74
DNR3010-3R6M	3.6±20%	165	0.95	0.99	67
DNR3010-4R7M	4.7±20%	225	0.75	0.77	59
DNR3010-6R8M	6.8±20%	305	0.55	0.66	42
DNR3010-10M	10±20%	400	0.55	0.58	39
DNR3010-12M	12±20%	505	0.43	0.52	36
DNR3010-15M	15±20%	610	0.42	0.47	30
DNR3010-22M	22±20%	930	0.35	0.38	28
DNR3010-27M	27±20%	1080	0.30	0.35	25
DNR3010-33M	33±20%	1550	0.29	0.30	18
DNR3010-39M	39±20%	1750	0.28	0.28	18
DNR3010-43M	43±20%	1800	0.23	0.27	18
DNR3010-47M	47±20%	1950	0.22	0.26	18
DNR3010-51M	51±20%	2200	0.21	0.25	18
DNR3010-56M	56±20%	2320	0.21	0.24	16

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR3012

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR3012-0R82N	0.82±30%	30	2.05	2.47	180
DNR3012-1R0N	1.0±30%	40	1.87	2.20	120
DNR3012-1R2N	1.2±30%	45	1.70	2.01	120
DNR3012-1R5N	1.5±30%	45	1.62	2.01	110
DNR3012-1R8N	1.8±30%	63	1.30	1.65	90
DNR3012-2R2N	2.2±30%	75	1.20	1.55	84
DNR3012-2R7N	2.7±30%	85	1.14	1.48	65
DNR3012-3R3M	3.3±20%	100	1.05	1.36	64
DNR3012-3R9M	3.9±20%	145	1.00	1.24	61
DNR3012-4R7M	4.7±20%	120	0.90	1.24	61
DNR3012-6R8M	6.8±20%	190	0.75	0.98	61
DNR3012-10M	10±20%	265	0.60	0.83	42
DNR3012-12M	12±20%	345	0.48	0.73	32
DNR3012-15M	15±20%	360	0.45	0.71	27
DNR3012-18M	18±20%	545	0.43	0.58	25
DNR3012-22M	22±20%	645	0.42	0.53	23
DNR3012-27M	27±20%	870	0.35	0.47	21
DNR3012-33M	33±20%	875	0.36	0.46	18
DNR3012-39M	39±20%	1330	0.30	0.37	18
DNR3012-47M	47±20%	1450	0.27	0.35	14
DNR3012-68M	68±20%	1670	0.24	0.33	12
DNR3012-82M	82±20%	2540	0.17	0.27	12
DNR3012-100M	100±20%	2860	0.21	0.25	12

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR3015

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR3015-1R0N	1.0±30%	39	2.32	2.35	150
DNR3015-1R2N	1.2±30%	40	2.21	1.95	110
DNR3015-1R5N	1.5±30%	50	2.00	1.70	100
DNR3015-1R8N	1.8±30%	50	1.75	1.70	92
DNR3015-2R2N	2.2±30%	60	1.60	1.60	86
DNR3015-2R7N	2.7±30%	75	1.52	1.43	64
DNR3015-3R3M	3.3±20%	80	1.32	1.36	68
DNR3015-3R6M	3.6±20%	105	1.28	1.20	59
DNR3015-4R3M	4.3±20%	115	1.20	1.14	53
DNR3015-4R7M	4.7±20%	125	1.10	1.09	46
DNR3015-5R1M	5.1±20%	133	1.00	1.05	49
DNR3015-6R2M	6.2±20%	195	1.00	0.86	46
DNR3015-6R8M	6.8±20%	200	0.85	0.85	39
DNR3015-10M	10±20%	250	0.72	0.77	41
DNR3015-12M	12±20%	320	0.70	0.68	32
DNR3015-15M	15±20%	350	0.66	0.65	30
DNR3015-18M	18±20%	430	0.56	0.59	23
DNR3015-22M	22±20%	460	0.52	0.57	23
DNR3015-27M	27±20%	730	0.48	0.45	22
DNR3015-33M	33±20%	820	0.44	0.43	20
DNR3015-39M	39±20%	995	0.41	0.39	14
DNR3015-43M	43±20%	1060	0.37	0.37	16
DNR3015-47M	47±20%	1250	0.35	0.35	14
DNR3015-56M	56±20%	1280	0.33	0.34	13
DNR3015-62M	62±20%	1610	0.30	0.30	13
DNR3015-68M	68±20%	2700	0.28	0.23	11
DNR3015-100M	100±20%	3110	0.23	0.21	10
DNR3015-150M	150±20%	3800	0.18	0.19	10

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR4012

Part Number	Inductance (μ H)	DCR (m Ω) ($\pm 30\%$)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR4012-0R82N	0.82 $\pm 30\%$	50	3.02	1.65	150
DNR4012-1R0N	1.0 $\pm 30\%$	50	2.61	1.65	120
DNR4012-1R5N	1.5 $\pm 30\%$	65	2.10	1.46	90
DNR4012-1R8N	1.8 $\pm 30\%$	80	2.12	1.32	88
DNR4012-2R2N	2.2 $\pm 30\%$	80	1.76	1.32	74
DNR4012-2R7N	2.7 $\pm 30\%$	90	1.73	1.25	71
DNR4012-3R3N	3.3 $\pm 30\%$	110	1.72	1.12	60
DNR4012-3R6N	3.6 $\pm 30\%$	110	1.20	1.12	57
DNR4012-4R7N	4.7 $\pm 30\%$	125	1.15	1.05	50
DNR4012-5R1N	5.1 $\pm 30\%$	155	1.55	0.95	50
DNR4012-5R6N	5.6 $\pm 30\%$	140	1.00	1.00	42
DNR4012-6R8M	6.8 $\pm 20\%$	198	0.85	0.84	40
DNR4012-10M	10 $\pm 20\%$	265	0.80	0.77	33
DNR4012-12M	12 $\pm 20\%$	290	0.66	0.70	32
DNR4012-15M	15 $\pm 20\%$	340	0.56	0.64	25
DNR4012-18M	18 $\pm 20\%$	470	0.55	0.55	23
DNR4012-22M	22 $\pm 20\%$	587	0.46	0.49	20
DNR4012-27M	27 $\pm 20\%$	720	0.50	0.45	18
DNR4012-33M	33 $\pm 20\%$	810	0.42	0.42	17
DNR4012-36M	36 $\pm 20\%$	900	0.40	0.40	14
DNR4012-39M	39 $\pm 20\%$	1100	0.38	0.37	16
DNR4012-47M	47 $\pm 20\%$	1100	0.35	0.37	12
DNR4012-56M	56 $\pm 20\%$	1250	0.33	0.33	11
DNR4012-68M	68 $\pm 20\%$	1950	0.38	0.27	11
DNR4012-82M	82 $\pm 20\%$	2140	0.28	0.26	11
DNR4012-100M	100 $\pm 20\%$	2210	0.25	0.25	9.4

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR4018

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR4018-1R0N	1.0±30%	25	4.20	2.00	80
DNR4018-1R5N	1.5±30%	30	3.35	1.80	65
DNR4018-2R2M	2.2±20%	45	2.70	1.65	52
DNR4018-3R3M	3.3±20%	70	2.45	1.23	44
DNR4018-4R7M	4.7±20%	90	1.70	1.20	34
DNR4018-6R8M	6.8±20%	110	1.45	1.06	29
DNR4018-10M	10±20%	180	1.30	0.84	24
DNR4018-15M	15±20%	250	0.94	0.65	19
DNR4018-22M	22±20%	360	0.80	0.59	16
DNR4018-33M	33±20%	530	0.56	0.49	12
DNR4018-47M	47±20%	650	0.57	0.42	10
DNR4018-68M	68±20%	1000	0.47	0.32	8.3
DNR4018-100M	100±20%	1750	0.40	0.25	6.5
DNR4018-150M	150±20%	2500	0.31	0.22	5.5
DNR4018-220M	220±20%	4000	0.27	0.17	4.0

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR4020

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR4020-1R0N	1.0±30%	29	4.78	2.15	75
DNR4020-1R2N	1.2±30%	29	5.10	2.15	72
DNR4020-1R5N	1.5±30%	35	4.45	1.98	71
DNR4020-2R2N	2.2±30%	40	3.40	1.85	49
DNR4020-3R3M	3.3±20%	70	3.20	1.40	44
DNR4020-3R6M	3.6±20%	55	2.80	1.54	49
DNR4020-4R7M	4.7±20%	75	2.35	1.34	42
DNR4020-5R6M	5.6±20%	90	2.20	1.22	30
DNR4020-6R8M	6.8±20%	125	2.00	1.04	33
DNR4020-8R2M	8.2±20%	125	1.75	1.04	27
DNR4020-10M	10±20%	165	1.60	0.90	26
DNR4020-12M	12±20%	175	1.50	0.88	26
DNR4020-15M	15±20%	230	1.35	0.77	24
DNR4020-22M	22±20%	350	1.05	0.62	15
DNR4020-27M	27±20%	545	1.02	0.50	14
DNR4020-33M	33±20%	550	0.85	0.49	11
DNR4020-39M	39±20%	650	0.82	0.46	11
DNR4020-47M	47±20%	710	0.74	0.44	10
DNR4020-51M	51±20%	750	0.70	0.42	10
DNR4020-56M	56±20%	800	0.66	0.41	10
DNR4020-62M	62±20%	900	0.65	0.39	9.6
DNR4020-68M	68±20%	1060	0.61	0.36	7.7
DNR4020-75M	75±20%	1160	0.70	0.35	7.7
DNR4020-82M	82±20%	1170	0.50	0.34	7.2
DNR4020-100M	100±20%	1550	0.48	0.31	6.3

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR4030

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR4030-1R0N	1.0±30%	16	5.26	4.14	70
DNR4030-1R5N	1.5±30%	20	4.84	3.34	62
DNR4030-2R2N	2.2±30%	30	4.40	2.95	52
DNR4030-3R3M	3.3±20%	40	3.30	2.40	38
DNR4030-4R7M	4.7±20%	60	2.90	2.00	31
DNR4030-5R6M	5.6±20%	65	2.60	1.95	30
DNR4030-6R8M	6.8±20%	90	2.75	1.60	24
DNR4030-8R2M	8.2±20%	90	2.10	1.60	26
DNR4030-10M	10±20%	100	1.95	1.50	21
DNR4030-12M	12±20%	135	1.70	1.30	18
DNR4030-15M	15±20%	190	1.65	1.11	16
DNR4030-18M	18±20%	200	1.40	1.10	10
DNR4030-22M	22±20%	225	1.30	1.00	10
DNR4030-33M	33±20%	330	1.10	0.84	10
DNR4030-39M	39±20%	435	1.03	0.73	10
DNR4030-47M	47±20%	445	0.95	0.72	8.4
DNR4030-56M	56±20%	555	0.85	0.65	8.4
DNR4030-68M	68±20%	868	0.72	0.52	7
DNR4030-82M	82±20%	1060	0.66	0.47	5.6
DNR4030-100M	100±20%	1150	0.60	0.45	5.6
DNR4030-120M	120±20%	1350	0.55	0.42	5.4
DNR4030-150M	150±20%	1800	0.50	0.30	4
DNR4030-220M	220±20%	2500	0.40	0.35	4.2
DNR4030-330M	330±20%	4000	0.30	0.25	6.8
DNR4030-470M	470±20%	7200	0.30	0.20	2
DNR4030-680M	680±20%	7580	0.19	0.14	1.2

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR5020

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR5020-1R0N	1.0±30%	20	4.10	3.80	114
DNR5020-1R5N	1.5±30%	30	4.10	3.20	68
DNR5020-2R2N	2.2±30%	40	3.20	2.70	57
DNR5020-3R3N	3.3±30%	50	2.55	2.30	46
DNR5020-4R7M	4.7±20%	57	2.50	2.20	37
DNR5020-6R8M	6.8±20%	83	2.05	1.80	30
DNR5020-8R2M	8.2±20%	98	1.85	1.65	26
DNR5020-10M	10±20%	120	1.70	1.55	24
DNR5020-12M	12±20%	140	1.50	1.40	22
DNR5020-15M	15±20%	165	1.35	1.25	20
DNR5020-18M	18±20%	200	1.25	1.15	16
DNR5020-22M	22±20%	250	1.15	1.10	14
DNR5020-33M	33±20%	400	0.92	0.90	10
DNR5020-47M	47±20%	580	0.77	0.75	7
DNR5020-68M	68±20%	740	0.65	0.64	6
DNR5020-82M	82±20%	965	0.65	0.50	6
DNR5020-100M	100±20%	1100	0.53	0.40	6

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR5040

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR5040-1R0N	1.0±30%	12	7.35	4.90	117
DNR5040-1R2N	1.2±30%	16	6.50	4.15	110
DNR5040-1R5N	1.5±30%	18	6.30	4.00	86
DNR5040-2R2N	2.2±30%	19	4.90	3.80	50
DNR5040-2R7N	2.7±30%	22	4.30	3.60	37
DNR5040-3R3N	3.3±30%	24	3.95	3.40	32
DNR5040-3R9N	3.9±30%	27	3.55	3.20	29
DNR5040-4R7M	4.7±20%	32	3.50	3.00	28
DNR5040-5R6M	5.6±20%	35	3.00	2.80	27
DNR5040-6R8M	6.8±20%	43	2.90	2.50	21
DNR5040-10M	10±20%	64	2.35	2.10	18
DNR5040-15M	15±20%	86	2.00	2.00	13
DNR5040-22M	22±20%	129	1.60	1.50	11
DNR5040-33M	33±20%	188	1.30	1.20	9.1
DNR5040-47M	47±20%	272	1.10	1.00	6.7
DNR5040-68M	68±20%	400	0.90	0.80	5.7
DNR5040-100M	100±20%	560	0.75	0.70	4.7
DNR5040-150M	150±20%	750	0.65	0.60	5
DNR5040-220M	220±20%	1280	0.40	0.38	3
DNR5040-1000M	1000±20%	6200	0.25	0.25	2
DNR5040-2200M	2200±20%	13000	0.10	0.10	2

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR6020

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR6020-0R68N	0.68±30%	17	6.55	3.80	115
DNR6020-0R82N	0.82±30%	17	5.30	3.80	110
DNR6020-1R0N	1.0±30%	20	4.85	3.50	100
DNR6020-1R5N	1.5±30%	22	4.25	3.20	79
DNR6020-1R8N	1.8±30%	28	4.15	2.75	68
DNR6020-2R2N	2.2±30%	28	3.75	2.75	61
DNR6020-3R3N	3.3±30%	35	3.25	2.60	51
DNR6020-3R9N	3.9±30%	49	3.15	2.10	45
DNR6020-4R7M	4.7±20%	58	3.00	2.00	41
DNR6020-5R6M	5.6±20%	58	2.40	1.90	36
DNR6020-6R8M	6.8±20%	79	2.20	1.80	31
DNR6020-8R2M	8.2±20%	105	2.10	1.40	27
DNR6020-10M	10±20%	105	1.75	1.40	27
DNR6020-12M	12±20%	120	1.45	1.30	25
DNR6020-15M	15±20%	145	1.20	1.20	21
DNR6020-18M	18±20%	180	1.20	1.08	18
DNR6020-22M	22±20%	204	1.05	1.00	16
DNR6020-33M	33±20%	300	0.95	0.84	11
DNR6020-47M	47±20%	430	0.70	0.80	10

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR6028

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR6028-1R0N	1.0±30%	12	5.75	5.20	70
DNR6028-1R5N	1.5±30%	15	6.00	4.58	65
DNR6028-2R2N	2.2±30%	20	5.10	3.75	48
DNR6028-2R7N	2.7±30%	20	4.15	3.75	48
DNR6028-3R3N	3.3±30%	25	3.80	3.48	41
DNR6028-4R7N	4.7±30%	30	3.00	3.08	35
DNR6028-5R1N	5.1±30%	43	3.20	2.60	32
DNR6028-6R2M	6.2±20%	47	3.05	2.40	30
DNR6028-6R8M	6.8±20%	47	2.60	2.40	27
DNR6028-8R2M	8.2±20%	55	2.30	2.25	24
DNR6028-9R1M	9.1±20%	74	2.55	2.15	24
DNR6028-10M	10±20%	76	2.04	1.95	23
DNR6028-12M	12±20%	80	1.80	1.85	18
DNR6028-15M	15±20%	125	1.75	1.45	18
DNR6028-18M	18±20%	130	1.52	1.45	15
DNR6028-22M	22±20%	140	1.45	1.40	14
DNR6028-27M	27±20%	155	1.40	1.32	13
DNR6028-33M	33±20%	185	1.35	1.22	12
DNR6028-36M	36±20%	215	1.25	1.13	11
DNR6028-39M	39±20%	225	1.25	1.10	11
DNR6028-47M	47±20%	315	1.15	1.06	9.5
DNR6028-68M	68±20%	360	0.80	0.86	7.7
DNR6028-75M	75±20%	410	0.80	0.81	7.7
DNR6028-82M	82±20%	500	0.80	0.70	7.7
DNR6028-100M	100±20%	500	0.65	0.70	7.1
DNR6028-1000M	1000±20%	5800	0.18	0.20	1.5

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR6045

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR6045-1R2N	1.2±30%	10	8.35	5.40	100
DNR6045-2R2N	2.2±30%	14	6.75	4.60	52
DNR6045-3R3N	3.3±30%	24	5.90	3.70	32
DNR6045-4R7M	4.7±20%	31	4.97	3.30	24
DNR6045-5R6M	5.6±20%	34	4.15	3.15	23
DNR6045-6R8M	6.8±20%	35	3.90	3.00	20
DNR6045-10M	10±20%	48	3.20	2.45	15
DNR6045-15M	15±20%	68	2.50	2.05	12
DNR6045-22M	22±20%	89	2.05	1.80	10
DNR6045-27M	27±20%	102	1.90	1.65	9.2
DNR6045-33M	33±20%	137	1.65	1.45	7.8
DNR6045-47M	47±20%	200	1.40	1.20	6.4
DNR6045-56M	56±20%	221	1.30	1.10	6.4
DNR6045-68M	68±20%	289	1.20	1.00	6.4
DNR6045-75M	75±20%	305	1.15	0.95	5
DNR6045-82M	82±20%	341	1.05	0.90	4.9
DNR6045-91M	91±20%	359	1.00	0.85	4.9
DNR6045-100M	100±20%	433	0.95	0.80	4.2
DNR6045-150M	150±20%	580	0.80	0.70	4.2
DNR6045-220M	220±20%	834	0.70	0.59	3.5
DNR6045-330M	330±20%	1270	0.57	0.57	2.8
DNR6045-470M	470±20%	1800	0.50	0.42	2
DNR6045-680M	680±20%	2500	0.42	0.33	1.7
DNR6045-1000M	1000±20%	4500	0.30	0.30	1.4
DNR6045-1500M	1500±20%	6500	0.24	0.21	0.8

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.

Electrical Specifications-DNR8040

Part Number	Inductance (uH)	DCR (mΩ) (±30%)	Isat(Max) (A)	Irms(Max) (A)	SRF(Min) (MHz)
DNR8040-1R0N	1.0±30%	8	9.85	6.30	89
DNR8040-1R5N	1.5±30%	10	8.15	5.65	67
DNR8040-2R2N	2.2±30%	12	7.10	5.15	41
DNR8040-3R3N	3.3±30%	17	6.50	4.40	27
DNR8040-4R7N	4.7±30%	19	5.90	4.10	24
DNR8040-6R8M	6.8±20%	24	4.55	3.60	20
DNR8040-8R2M	8.2±20%	26	4.20	3.45	17
DNR8040-10M	10±20%	42	3.60	3.30	15
DNR8040-15M	15±20%	47	2.95	2.60	12
DNR8040-18M	18±20%	53	2.70	2.40	11
DNR8040-22M	22±20%	69	2.40	2.10	9.5
DNR8040-33M	33±20%	97	2.05	1.80	7.8
DNR8040-39M	39±20%	107	1.95	1.70	7.8
DNR8040-47M	47±20%	136	1.75	1.55	6.4
DNR8040-56M	56±20%	148	1.55	1.45	6.4
DNR8040-68M	68±20%	196	1.45	1.25	5.9
DNR8040-82M	82±20%	225	1.30	1.15	4.9
DNR8040-100M	100±20%	290	1.15	1.00	4.2
DNR8040-120M	120±20%	334	1.05	0.95	3.5
DNR8040-150M	150±20%	410	1.10	0.85	3.5
DNR8040-220M	220±20%	599	0.85	0.80	3.5
DNR8040-330M	330±20%	889	0.68	0.64	2.8
DNR8040-470M	470±20%	1260	0.60	0.54	2.1
DNR8040-680M	680±20%	2040	0.50	0.45	1.7
DNR8040-1000M	1000±20%	2800	0.40	0.35	1.4

- Special inquiries besides the above common used types can be meet on your requirement.
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current
- Inductance Tested at 100KHz, 1Vrms.