

NR-N Series

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).
- 40% high current rating than conventional inductors of equal size.
- Takes up less PCB real estate and save more power.
- Halogen Free.
- RoHS compliance.

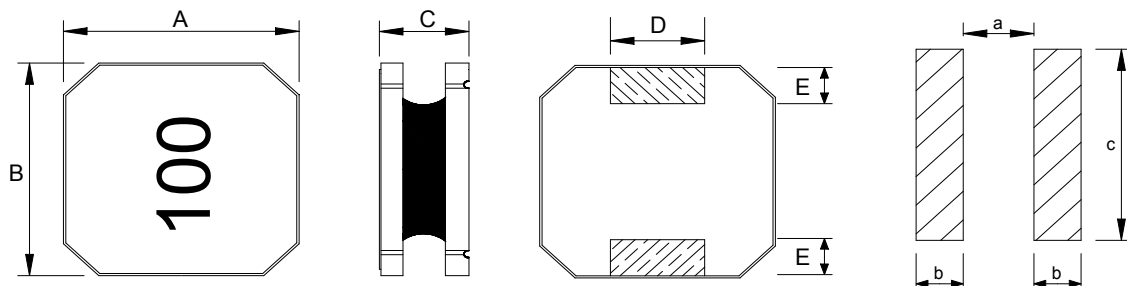
Applications

- LED Lighting
- Blue -ray disc recorders, set top box.
- Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
- Flat-screen TVs,blue-ray disc recorders set top box.
- Notebooks,desktop computers,servers,graphic cards
- Portable gaming devices,personal navigation systems,personal multimedia devices.

Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40℃ to +125℃.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate ΔT of 40℃.
- DC current(Isat)that will cause L0 to drop approximately 40%.

External Dimensions (Unit:mm)



Type	A	B	C	D typ	E typ	a typ	b typ	c typ	Q'TY/Reel
NR1050	10.0±0.3	10.0±0.3	5.1Max	4.2	1.7	6.2	2.0	5.5	700

2. Part Number Code

NR	1050	M	100	N
Series Name	Dimensions L*W*H	Tolerance M:20%	Inductance	Internal control

NR-N Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (m Ω) $\pm$ 30%	Heat Rating Current I _{rms} (A)	Saturation Current I _{sat} (A)
NR1050M1R0N	1	10	10	12
NR1050M1R5N	1.5	11	9	11.8
NR1050M2R2N	2.2	12	8	11.3
NR1050M3R3N	3.3	14	7.5	10.7
NR1050M3R8N	3.8	13	6.8	7.3
NR1050M4R7N	4.7	15	6.8	10
NR1050M5R6N	5.6	23	6.5	9.8
NR1050M6R8N	6.8	24	5.9	9.5
NR1050M8R2N	8.2	27	5.5	9
NR1050M100N	10	35	4.4	8.2
NR1050M150N	15	41	3.9	7
NR1050M220N	22	50	3.6	5.8
NR1050M330N	33	71	3.3	5
NR1050M470N	47	112	2.8	4
NR1050M560N	56	150	2.4	3.5
NR1050M680N	68	160	2.3	3.3
NR1050M820N	82	185	2.1	2.8
NR1050M101N	100	240	1.7	2.5
NR1050M151N	150	390	1.3	2.2
NR1050M221N	220	560	1.1	1.8
NR1050M271N	270	700	0.88	1.6
NR1050M331N	330	840	0.85	1.4
NR1050M391N	390	1000	0.66	1.2
NR1050M471N	470	1260	0.7	0.5
NR1050M561N	560	1500	0.6	0.5
NR1050M681N	680	1540	0.65	1
NR1050M102N	1000	2770	0.4	0.5
NR1050M332N	3300	8310	0.23	0.36
NR1050M103N	10000	23000	0.09	0.1