

ABG-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.

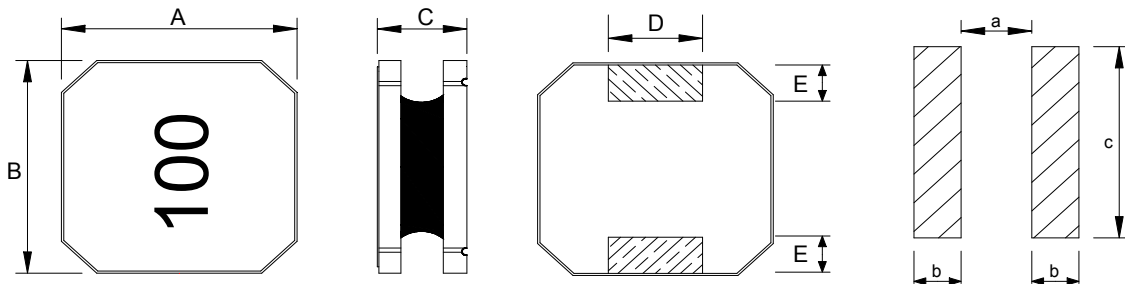
Applications

- 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
ABG10N50	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

ABG	10	N	50	LC	M	100
Series Name	Dimensions L*W	Materials	Dimensions H	Internal control	Tolerance M:20%	Inductance

ABG-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)
ABG10N50LCM150	15	41	3.9	7
ABG10N50LCM220	22	50	3.6	5.8
ABG10N50LCM330	33	71	3.3	5
ABG10N50LCM470	47	112	2.8	4
ABG10N50LCM560	56	150	2.4	3.5
ABG10N50LCM680	68	160	2.3	3.3
ABG10N50LCM820	82	185	2.1	2.8
ABG10N50LCM101	100	240	1.7	2.5
ABG10N50LCM151	150	390	1.3	2.2
ABG10N50LCM221	220	560	1.1	1.8
ABG10N50LCM271	270	700	0.88	1.6
ABG10N50LCM331	330	840	0.85	1.4
ABG10N50LCM391	390	1000	0.66	1.2
ABG10N50LCM471	470	1260	0.7	0.5
ABG10N50LCM561	560	1500	0.6	0.5
ABG10N50LCM681	680	1540	0.65	1
ABG10N50LCM102	1000	2770	0.4	0.5
ABG10N50LCM332	3300	8310	0.23	0.36
ABG10N50LCM103	10000	23000	0.09	0.1