

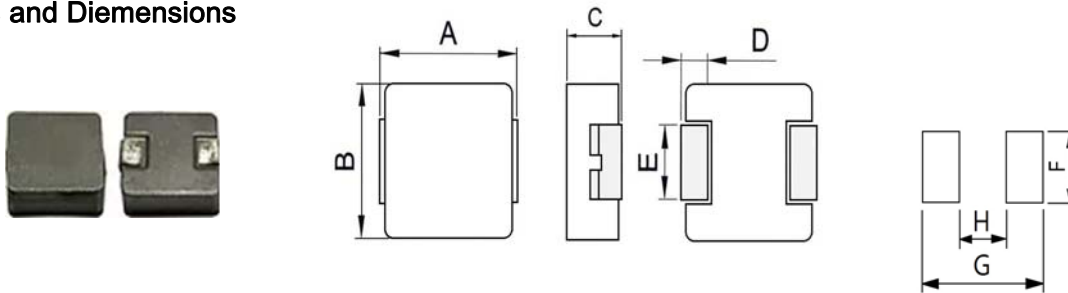
Features

- Carbonyl powder inductor.
- High current, low DCR, high efficiency & high reliability.
- Very low acoustic noise and very low leakage flux noise.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Notebook PC Power system, included IMVP-6 DC/DC converter.

Shapes and Dimensions



Packing Q'ty : 3,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5015	5.70 ± 0.30	5.20 ± 0.20	1.30 ± 0.20	1.10 ± 0.30	2.50 ± 0.30	2.8	6.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC5015-R20NC	0.20 ± 30%	3.8	4.2	15.00	22.50
SDMC5015-R33MC	0.33 ± 20%	8.5	9.8	9.00	16.00
SDMC5015-R47MC	0.47 ± 20%	12.0	13.8	8.00	15.00
SDMC5015-R68MC	0.68 ± 20%	14.0	16.2	7.00	13.00
SDMC5015-1R0MC	1.0 ± 20%	22.0	25.3	6.00	9.00
SDMC5015-1R5MC	1.5 ± 20%	39.0	45.0	4.50	7.00
SDMC5015-2R2MC	2.2 ± 20%	45.0	52.0	4.00	6.00
SDMC5015-3R3MC	3.3 ± 20%	78.0	90.0	3.20	4.50
SDMC5015-4R7MC	4.7 ± 20%	103.0	118.0	2.70	4.00
SDMC5015-5R6MC	5.6 ± 20%	126.0	152.0	2.40	3.20
SDMC5015-6R8MC	6.8 ± 20%	142.0	171.0	2.30	3.00
SDMC5015-8R2MC	8.2 ± 20%	175.0	210.0	2.10	2.60
SDMC5015-100MC	10.0 ± 20%	210.0	235.0	2.00	2.30
SDMC5015-220MC	22.0 ± 20%	405.0	466.0	1.20	1.70

NOTES:

- All test data reference to 25°C ambient.
- Measuring frequency : L : 100KHz / 1.0V.
- Saturation Current (Isat) will cause L0 to drop 20% typical. (keep quickly).
- Heat Rated Current (Irms) will cause the coil temperature rise approximately Δ t of 40°C (keep 1min.).