

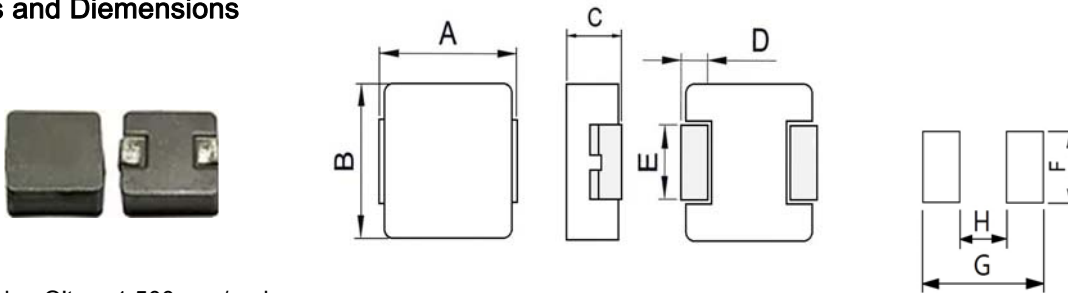
## Features

- 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 : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6015	7.00 ± 0.3	6.60 ± 0.3	1.30 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

## Electrical Characteristics

Part Number	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6015-R22NC	0.22 ± 30%	4.3	5.2	14.00	22.00
SDMC6015-R33MC	0.33 ± 20%	6.6	7.6	11.00	18.00
SDMC6015-R47MC	0.47 ± 20%	9.0	10.3	9.50	16.00
SDMC6015-R68MC	0.68 ± 20%	13.8	15.2	7.50	15.00
SDMC6015-1R0MC	1.0 ± 20%	23.0	25.8	6.50	12.00
SDMC6015-1R2MC	1.2 ± 20%	29.0	34.0	5.60	10.50
SDMC6015-1R5MC	1.5 ± 20%	37.0	42.5	5.00	9.50
SDMC6015-2R2MC	2.2 ± 20%	48.0	55.0	4.50	6.50
SDMC6015-3R3MC	3.3 ± 20%	62.0	74.0	4.20	6.00
SDMC6015-4R7MC	4.7 ± 20%	96.0	111.0	3.80	5.00
SDMC6015-5R6MC	5.6 ± 20%	115.0	138.0	3.00	4.50
SDMC6015-6R8MC	6.8 ± 20%	128.0	148.0	2.60	3.50
SDMC6015-8R2MC	8.2 ± 20%	153.0	184.0	2.40	3.20
SDMC6015-100MC	10.0 ± 20%	180.0	216.0	2.30	2.80
SDMC6015-220MC	22.0 ± 20%	420.0	504.0	1.50	2.50

## 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.).