

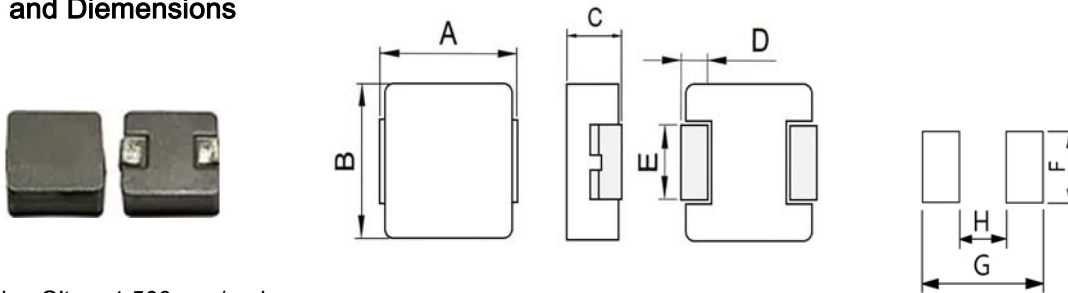
## Features

- 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
SDMC6024	7.00 ± 0.3	6.60 ± 0.3	2.20 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

## Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6024-R22MC	0.22 ± 20%	2.0	3.2	21.0	34.0
SDMC6024-R33MC	0.33 ± 20%	3.6	4.4	18.0	30.0
SDMC6024-R47MC	0.47 ± 20%	4.8	5.1	15.0	26.0
SDMC6024-R56MC	0.56 ± 20%	5.5	6.5	13.0	24.0
SDMC6024-R68MC	0.68 ± 20%	6.4	7.2	13.0	21.0
SDMC6024-R82MC	0.82 ± 20%	8.0	9.5	11.0	17.0
SDMC6024-1R0MC	1.0 ± 20%	10.5	13.5	11.0	16.0
SDMC6024-1R5MC	1.5 ± 20%	17.0	20.0	9.0	15.0
SDMC6024-2R2MC	2.2 ± 20%	23.0	28.0	7.0	14.0
SDMC6024-3R3MC	3.3 ± 20%	34.0	39.0	6.0	10.0
SDMC6024-4R7MC	4.7 ± 20%	41.0	50.0	5.5	9.0
SDMC6024-5R6MC	5.6 ± 20%	56.0	62.0	5.0	8.0
SDMC6024-6R8MC	6.8 ± 20%	65.0	72.0	4.0	7.0
SDMC6024-100MC	10.0 ± 20%	92.0	101.0	3.2	5.0

### 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.).