

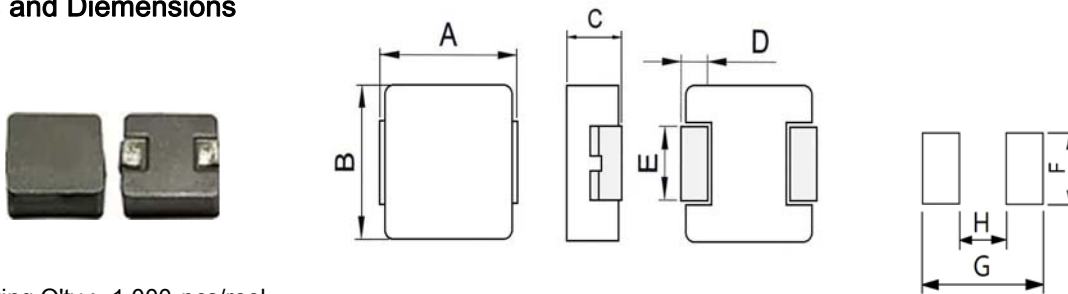
Features

- 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 : 1,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6040	7.30 ± 0.3	6.60 ± 0.3	3.80 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	8.4	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.
SDMC6040-R10NC	0.15 ± 20%	0.9	1.2	30.00	55.00
SDMC6040-R47MC	0.47 ± 20%	3.0	3.4	23.00	28.00
SDMC6040-R68MC	0.68 ± 20%	4.1	4.5	16.00	24.00
SDMC6040-1R0MC	1.0 ± 20%	6.8	8.0	14.00	22.00
SDMC6040-2R2MC	2.2 ± 20%	11.5	14.0	9.00	14.00
SDMC6040-3R3MC	3.3 ± 20%	24.0	27.0	8.00	12.00
SDMC6040-4R7MC	4.7 ± 20%	28.0	32.5	6.00	11.00
SDMC6040-5R6MC	5.6 ± 20%	33.0	38.0	5.00	9.00
SDMC6040-6R8MC	6.8 ± 20%	44.0	50.0	4.50	8.50
SDMC6040-100MC	10 ± 20%	64.0	72.0	4.00	7.00
SDMC6040-150MC	15 ± 20%	80.0	90.0	3.00	3.50

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.).