

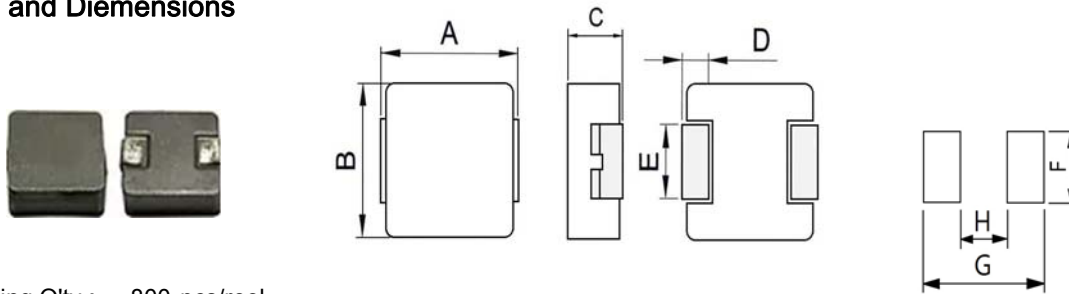
Features

- 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 : 800 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6050	7.30 ± 0.3	6.60 ± 0.3	4.80 ± 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.
SDMC6050-R33MC	0.33 ± 20%	2.5	3.0	25.00	32.00
SDMC6050-R47MC	0.47 ± 20%	3.5	3.9	22.00	30.00
SDMC6050-R56MC	0.56 ± 20%	3.6	4.2	20.00	27.00
SDMC6050-R60MC	0.60 ± 20%	3.8	4.3	19.00	25.00
SDMC6050-R68MC	0.68 ± 20%	4.0	4.5	18.00	24.00
SDMC6050-R82MC	0.82 ± 20%	4.6	4.9	16.50	22.00
SDMC6050-1R0MC	1.0 ± 20%	6.1	6.5	15.00	20.00
SDMC6050-1R2MC	1.2 ± 20%	6.7	7.5	14.00	18.00
SDMC6050-1R5MC	1.5 ± 20%	8.6	9.0	12.00	16.50
SDMC6050-1R8MC	1.8 ± 20%	9.5	11.0	12.00	15.00
SDMC6050-2R2MC	2.2 ± 20%	11.2	12.0	10.00	14.00
SDMC6050-3R3MC	3.3 ± 20%	19.0	20.9	8.00	12.00
SDMC6050-4R7MC	4.7 ± 20%	28.0	30.8	6.50	10.00
SDMC6050-5R6MC	5.6 ± 20%	43.5	49.0	6.00	9.00
SDMC6050-6R8MC	6.8 ± 20%	46.0	51.5	5.50	8.50
SDMC6050-8R2MC	8.2 ± 20%	56.0	63.0	5.00	8.00
SDMC6050-100MC	10 ± 20%	60.0	69.0	4.00	7.50
SDMC6050-220MC	22 ± 20%	140.0	170.0	2.25	5.50

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.).