

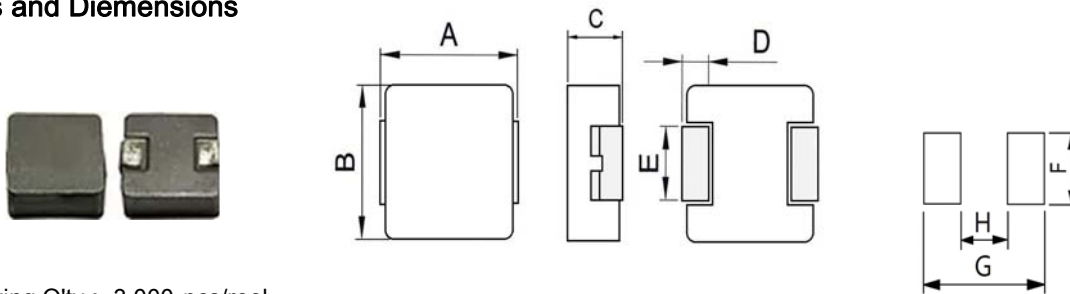
Features

- 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 : 3,000 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC5030	5.70 ± 0.3	5.20 ± 0.3	2.80 ± 0.2	1.10 ± 0.3	1.50 ± 0.3	1.8	6.5	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.
SDMC5030-R15MC	0.15 ± 20%	2.3	2.7	18.00	30.00
SDMC5030-R33MC	0.33 ± 20%	4.3	5.0	14.00	18.00
SDMC5030-R47MC	0.47 ± 20%	6.4	7.4	12.00	16.00
SDMC5030-R68MC	0.68 ± 20%	10.0	12.0	8.50	14.00
SDMC5030-1R0MC	1.0 ± 20%	13.0	14.0	7.00	11.00
SDMC5030-1R2MC	1.2 ± 20%	14.0	16.0	6.50	11.00
SDMC5030-1R5MC	1.5 ± 20%	16.0	25.0	6.00	10.00
SDMC5030-2R2MC	2.2 ± 20%	25.0	35.0	5.50	9.00
SDMC5030-3R3MC	3.3 ± 20%	32.0	38.0	5.00	8.00
SDMC5030-4R7MC	4.7 ± 20%	50.0	53.0	4.60	6.00
SDMC5030-5R6MC	5.6 ± 20%	55.0	63.0	4.25	4.50
SDMC5030-6R8MC	6.8 ± 20%	68.0	76.2	4.00	4.30
SDMC5030-100MC	10.0 ± 20%	110.0	128.0	2.75	3.50
SDMC5030-220MC	22.0 ± 20%	220.0	250.0	1.90	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.).