

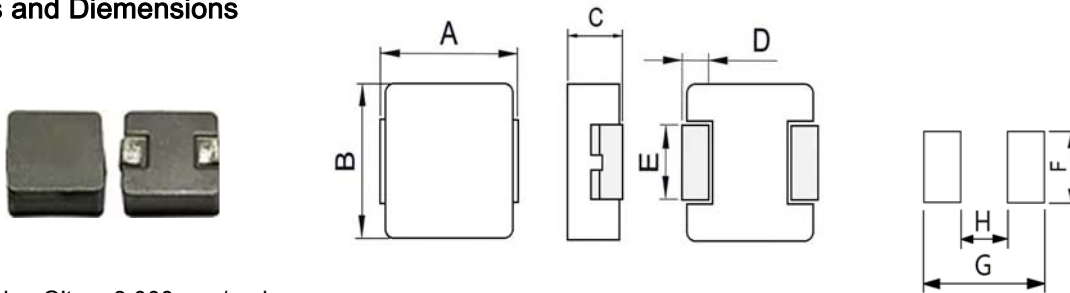
Features

- 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
SDMC4020	4.45 ± 0.25	4.0 ± 0.25	1.8 ± 0.2	0.76 ± 0.3	2.0 ± 0.2	2.3	5.2	2.2

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC4020-R10NC	0.10 ± 30%	3.2	4	12.00	35.00
SDMC4020-R18NC	0.18 ± 30%	4.6	5.4	13.50	28.00
SDMC4020-R22NC	0.22 ± 30%	6.6	7.3	13.00	24.00
SDMC4020-R33MC	0.33 ± 20%	7.8	8.6	10.00	18.00
SDMC4020-R47MC	0.47 ± 20%	11.2	14	8.00	12.00
SDMC4020-R56MC	0.56 ± 20%	13.5	16	7.30	10.00
SDMC4020-R68MC	0.68 ± 20%	16	19	7.00	10.00
SDMC4020-1R0MC	1.0 ± 20%	22	27	5.00	8.50
SDMC4020-1R2MC	1.2 ± 20%	25	30	4.80	7.80
SDMC4020-1R5MC	1.5 ± 20%	34.8	42	4.50	7.00
SDMC4020-2R2MC	2.2 ± 20%	51	61	4.00	6.00
SDMC4020-3R3MC	3.3 ± 20%	69	76	3.50	4.00
SDMC4020-4R7MC	4.7 ± 20%	95	105	2.60	3.50
SDMC4020-5R6MC	5.6 ± 20%	112	125	2.20	3.00
SDMC4020-6R8MC	6.8 ± 20%	150	172	2.10	2.80
SDMC4020-8R2MC	8.2 ± 20%	158	180	2.00	2.50
SDMC4020-100MC	10.0 ± 20%	215	243	1.80	2.30
SDMC4020-150MC	15.0 ± 20%	325	374	1.50	1.90
SDMC4020-220MC	22.0 ± 20%	470	500	1.20	1.40

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.).