

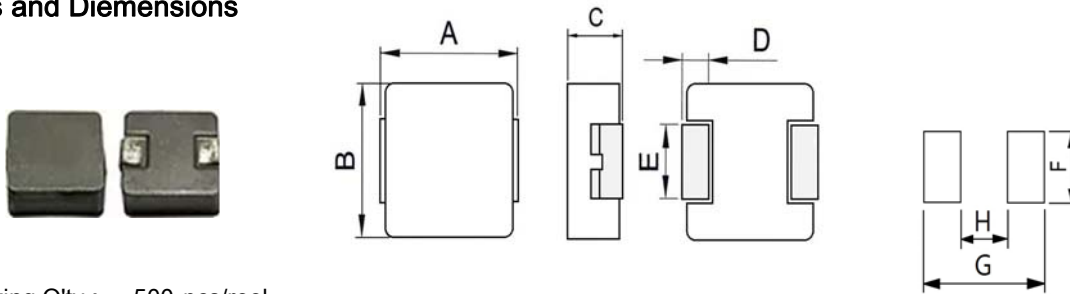
Features

- 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 : 500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC12560	13.50 ± 0.5	12.50 ± 0.3	5.70 ± 0.3	2.30 ± 0.3	4.70 ± 0.3	5	14.20	8.00

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC12560-1R0MC	1.0 ± 20%	1.80	2.40	29.00	45.00
SDMC12560-2R2MC	2.2 ± 20%	4.00	4.70	21.00	34.00
SDMC12560-3R3MC	3.3 ± 20%	5.80	7.10	17.00	28.00
SDMC12560-4R7MC	4.7 ± 20%	9.50	11.50	16.00	25.00
SDMC12560-5R6MC	5.6 ± 20%	10.80	12.60	15.50	22.00
SDMC12560-6R8MC	6.8 ± 20%	12.00	13.80	15.00	19.00
SDMC12560-100MC	10 ± 20%	18.00	20.70	11.00	15.50
SDMC12560-120MC	12 ± 20%	20.00	23.00	9.50	13.50
SDMC12560-150MC	15 ± 20%	25.00	29.00	9.00	13.00
SDMC12560-180MC	18 ± 20%	30.00	35.00	8.50	12.00
SDMC12560-220MC	22 ± 20%	34.00	39.50	8.00	11.00
SDMC12560-270MC	27 ± 20%	49.00	56.00	7.00	9.00
SDMC12560-330MC	33 ± 20%	65.00	75.00	6.00	8.00
SDMC12560-470MC	47 ± 20%	80.00	90.00	5.50	7.00
SDMC12560-680MC	68 ± 20%	120.00	140.00	5.00	6.00
SDMC12560-101MC	100 ± 20%	180.00	200.00	4.00	5.00
SDMC12560-121MC	120 ± 20%	210.00	235.00	3.50	4.50
SDMC12560-151MC	150 ± 20%	300.00	350.00	3.00	4.00

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.).