

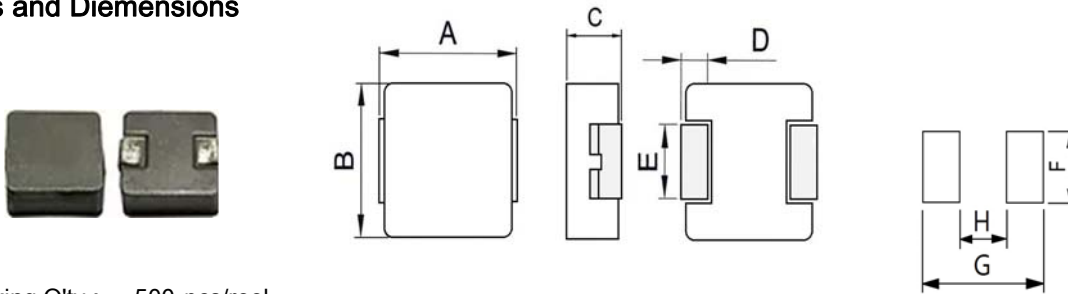
### Features

- 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
SDMC12565	13.50 ± 0.5	12.50 ± 0.3	6.20 ± 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.
SDMC12565-R15MC	0.15 ± 20%	0.49	0.60	55.00	118.00
SDMC12565-R22MC	0.22 ± 20%	0.47	0.60	53.00	112.00
SDMC12565-R33MC	0.33 ± 20%	0.65	0.80	46.00	68.00
SDMC12565-R47MC	0.47 ± 20%	0.90	1.20	41.00	63.00
SDMC12565-R68MC	0.68 ± 20%	1.25	1.50	35.00	55.00
SDMC12565-R82MC	0.82 ± 20%	1.50	1.90	33.00	50.00
SDMC12565-1R0MC	1.00 ± 20%	1.70	2.30	30.00	48.00
SDMC12565-2R2MC	2.20 ± 20%	3.80	4.20	22.00	37.00
SDMC12565-3R3MC	3.30 ± 20%	5.70	6.80	18.00	30.00
SDMC12565-4R7MC	4.70 ± 20%	7.00	8.40	13.50	28.00
SDMC12565-5R6MC	5.60 ± 20%	8.50	10.00	12.50	23.00
SDMC12565-6R8MC	6.80 ± 20%	9.50	11.50	11.50	18.00
SDMC12565-8R2MC	8.20 ± 20%	12.00	15.50	10.50	16.00
SDMC12565-100MC	10.00 ± 20%	13.20	16.50	10.00	15.50
SDMC12565-220MC	22.00 ± 20%	32.50	37.00	9.00	12.00
SDMC12565-330MC	33.00 ± 20%	48.00	58.00	8.00	11.00
SDMC12565-470MC	47.00 ± 20%	76.00	90.00	6.50	9.50

#### 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.).