

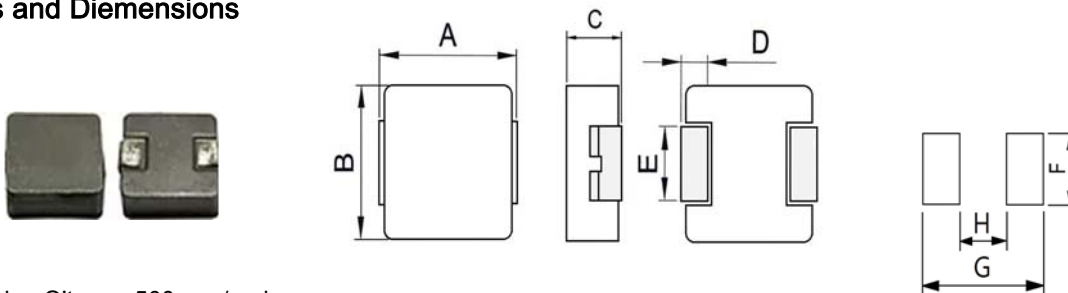
Features

- 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
SDMC12535	13.50 ± 0.5	12.50 ± 0.3	3.30 ± 0.2	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.
SDMC12535-R10NC	0.10 ± 30%	0.36	0.43	43.00	84.00
SDMC12535-R15NC	0.15 ± 30%	0.40	0.48	41.00	74.00
SDMC12535-R22NC	0.22 ± 20%	0.70	0.81	38.50	62.00
SDMC12535-R33NC	0.33 ± 20%	0.85	1.00	36.50	62.00
SDMC12535-R47MC	0.47 ± 20%	1.20	1.80	32.00	55.00
SDMC12535-R68MC	0.68 ± 20%	1.90	2.50	28.00	49.00
SDMC12535-R82MC	0.82 ± 20%	2.20	3.00	25.00	44.00
SDMC12535-1R0MC	1.00 ± 20%	2.70	3.50	24.00	40.00
SDMC12535-1R5MC	1.50 ± 20%	4.80	5.50	19.00	35.00
SDMC12535-1R8MC	1.80 ± 20%	5.20	7.00	17.00	30.00
SDMC12535-2R2MC	2.20 ± 20%	6.30	8.00	16.00	29.00
SDMC12535-3R3MC	3.30 ± 20%	11.00	13.50	12.00	27.00
SDMC12535-4R7MC	4.70 ± 20%	15.30	18.50	10.00	24.00
SDMC12535-5R6MC	5.60 ± 20%	18.00	22.00	9.50	19.00
SDMC12535-6R8MC	6.80 ± 20%	20.00	24.00	9.00	28.00
SDMC12535-8R2MC	8.20 ± 20%	23.00	28.00	8.50	16.00
SDMC12535-100MC	10.00 ± 20%	29.00	34.00	7.00	14.00

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.).