

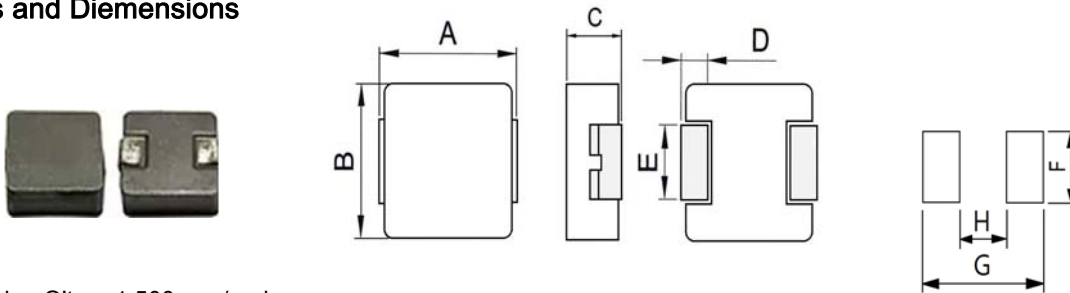
Features

- 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 : 1,500 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC6018	7.00 ± 0.3	6.60 ± 0.3	1.60 ± 0.2	1.80 ± 0.3	3.00 ± 0.3	3.5	7.7	2.5

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC6018-R22MC	0.22 ± 20%	2.5	3.0	16.00	26.00
SDMC6018-R33MC	0.33 ± 20%	4.8	5.8	14.00	22.00
SDMC6018-R47MC	0.47 ± 20%	6.4	7.4	12.00	18.00
SDMC6018-R68MC	0.68 ± 20%	9.5	11.0	10.00	17.00
SDMC6018-R82MC	0.82 ± 20%	11.5	14.0	8.50	15.50
SDMC6018-1R0MC	1.0 ± 20%	14.5	17.0	7.00	14.00
SDMC6018-1R2MC	1.2 ± 20%	20.0	24.0	6.50	13.50
SDMC6018-1R5MC	1.5 ± 20%	21.0	25.2	6.00	13.00
SDMC6018-2R2MC	2.2 ± 20%	31.0	35.0	6.00	11.00
SDMC6018-3R3MC	3.3 ± 20%	40.0	46.0	5.00	9.00
SDMC6018-4R7MC	4.7 ± 20%	68.0	76.0	4.00	7.00
SDMC6018-5R6MC	5.6 ± 20%	78.0	86.0	3.50	6.00
SDMC6018-6R8MC	6.8 ± 20%	93.0	104.0	3.00	5.50
SDMC6018-8R2MC	8.2 ± 20%	123.0	140.0	2.60	4.50
SDMC6018-100MC	10.0 ± 20%	143.0	160.0	2.30	3.50

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.).