

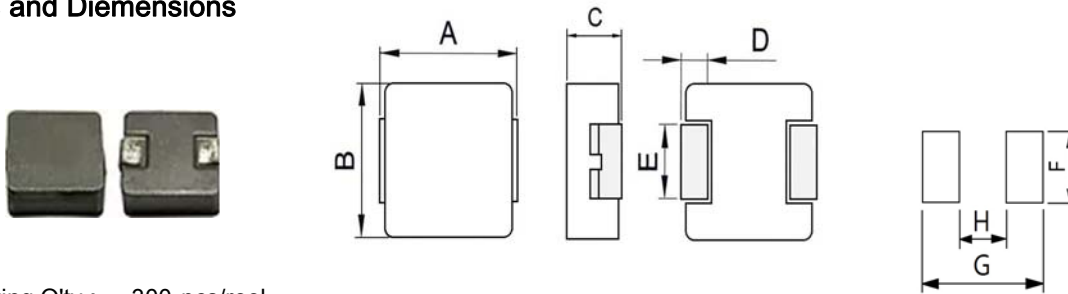
Features

- 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 : 300 pcs/reel

Type	A	B	C	D	E	F	G	H
SDMC17070	17.30 ± 0.4	16.90 ± 0.3	6.70 ± 0.3	2.10 ± 0.3	11.90 ± 0.3	12.5	18.50	12.20

Electrical Characteristics

Part No.	Inductance (uH)	D.C.R (mΩ) typ.	D.C.R (mΩ) max.	I rms (A) typ.	I sat (A) typ.
SDMC17070-2R2MC	2.2 ± 20%	2.4	2.7	43.50	47.00
SDMC17070-3R3MC	3.3 ± 20%	3.5	3.9	28.00	45.00
SDMC17070-4R7MC	4.7 ± 20%	4.8	5.5	25.00	41.00
SDMC17070-5R6MC	5.6 ± 20%	5.8	7.1	21.00	40.00
SDMC17070-6R8MC	6.8 ± 20%	8.4	9.2	19.00	32.00
SDMC17070-8R2MC	8.2 ± 20%	9.6	10.8	18.00	25.00
SDMC17070-100MC	10 ± 20%	11.8	13.0	16.50	24.00
SDMC17070-150MC	15 ± 20%	17.8	20.5	12.50	23.00
SDMC17070-220MC	22 ± 20%	25.1	26.5	12.00	18.00
SDMC17070-330MC	33 ± 20%	38.0	44.0	10.70	15.00
SDMC17070-470MC	47 ± 20%	48.0	55.0	8.70	9.50
SDMC17070-680MC	68 ± 20%	68.0	80.0	7.00	8.00
SDMC17070-101MC	100 ± 20%	102.0	118.0	5.30	6.50

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.).