

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

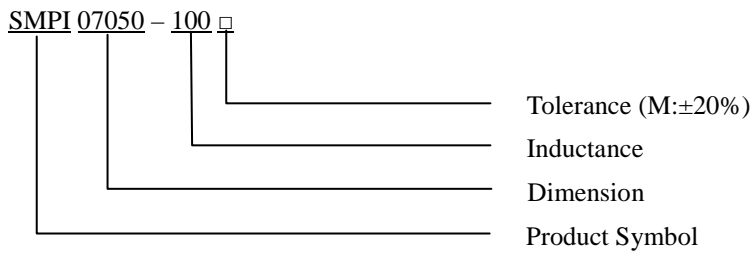
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



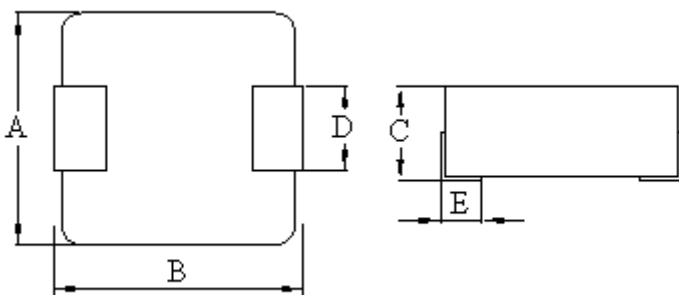
APPLICATIONS

- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).

ORDERING CODE



DIMENSIONS UNIT: mm



A	7.2 ± 0.3	m/m
B	7.8 ± 0.5	m/m
C	5.0 (MAX)	m/m
D	3.0 (REF)	m/m
E	1.6 (REF)	m/m

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 07050

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI07050-2R2M	2.2	100KHz/0.1V	9.0	14	12
SMPI07050-6R8M	6.8	100KHz/0.1V	5.5	8.0	30
SMPI07050-100M	10	100KHz/0.1V	4.8	7.0	65
SMPI07050-220M	22	100KHz/0.1V	3.0	5.0	140
SMPI07050-270M	27	100KHz/0.1V	3.0	4.5	182
SMPI07050-330M	33	100KHz/0.1V	2.0	4.0	237
SMPI07050-470M	47	100KHz/0.1V	2.0	3.5	247
SMPI07050-560M	56	100KHz/0.1V	1.8	3.0	310

Notes:

- 1) You require another part number please contact with us.
- 2) Inductance Tolerance $\pm 20\%$; Frequency Test : 100KHz/1.0v
- 3) All test data is referenced to 25°C ambient.
- 4) Irms : DC current (A) that will cause an approximate ΔT of 40°C
- 5) Isat : DC current (A) that will cause L_o to drop approximately 30%
- 6) We can design according to customer's request.



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>