

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

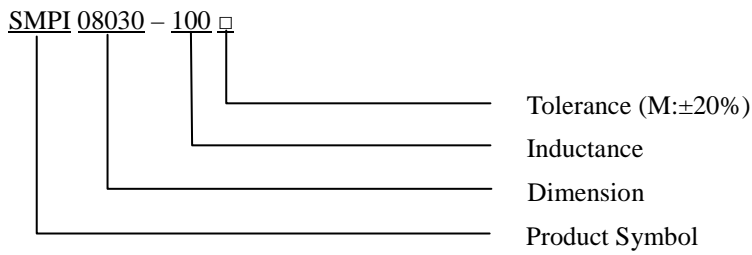
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



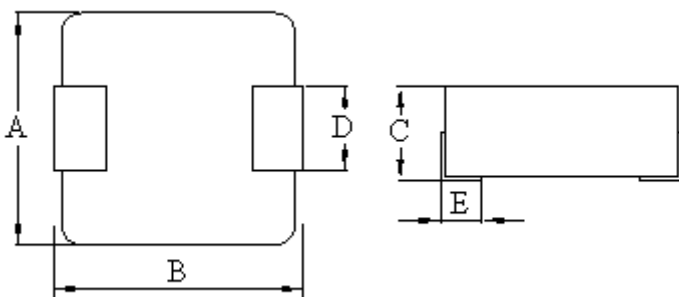
APPLICATIONS

- ◆ 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	8.0 ± 0.3	m/m
B	8.6 ± 0.6	m/m
C	3.0 (MAX)	m/m
D	3.0 (REF)	m/m
E	1.8 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 08030

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI08030-1R0M	1.0	100KHz/1V	11	16	6.5
SMPI08030-1R5M	1.5	100KHz/1V	10	14	7.2
SMPI08030-1R8M	1.8	100KHz/1V	9.5	13	16
SMPI08030-2R2M	2.2	100KHz/1V	9.0	12	17
SMPI08030-3R3M	3.3	100KHz/1V	8.0	10	19

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 Lo to drop approximately 30%
- 6) We can design according to customer's request.

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