

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

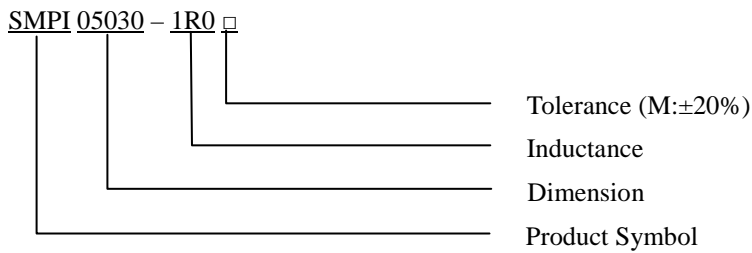
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



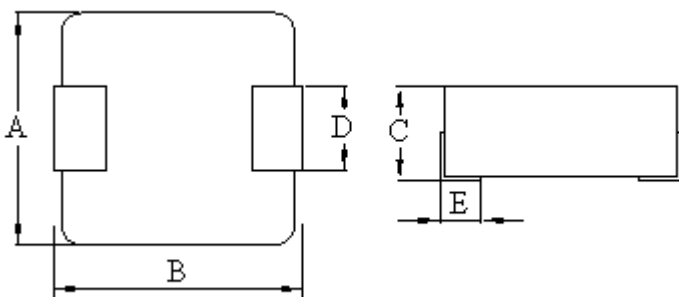
APPLICATIONS

- ◆ 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	5.2 ± 0.3	m/m
B	5.5 ± 0.4	m/m
C	3.0 (MAX)	m/m
D	2.0 (REF)	m/m
E	1.0 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 05030

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI05030-R68M	0.68	100KHz/1V	9.0	12	11
SMPI05030-1R0M	1.00	100KHz/1V	8.0	10	13
SMPI05030-1R5M	1.50	100KHz/1V	6.0	9	18
SMPI05030-2R2M	2.20	100KHz/1V	5.5	8	30
SMPI05030-3R3M	3.30	100KHz/1V	5.0	7	38
SMPI05030-4R7M	4.70	100KHz/1V	4.0	6	62
SMPI05030-6R8M	6.80	100KHz/1V	3.0	5	90
SMPI05030-100M	10	100KHz/1V	2.0	3	115

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.