

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

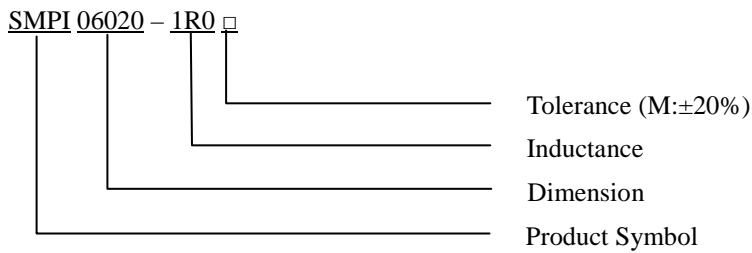
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



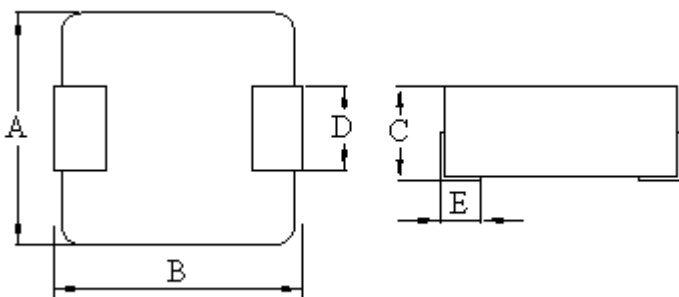
APPLICATIONS

- ◆ 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	6.6 ± 0.3	m/m
B	7.2 ± 0.5	m/m
C	1.8 (MAX)	m/m
D	3.0 (REF)	m/m
E	1.6 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 06020

Part No.	Inductance (uH) @(0A)	Test Frequency	Heat Rating Current Irms(A)	Saturation Current Isat (A) drop30%	RDC (mΩ) MAX
SMPI06020-R10M	0.10	100KHz/1V	15	30	2.8
SMPI06020-R22M	0.22	100KHz/1V	13	22	7.0
SMPI06020-R68M	0.68	100KHz/1V	9.0	12	13.5
SMPI06020-1R0M	1.00	100KHz/1V	8.0	10	19.0
SMPI06020-2R2M	2.20	100KHz/1V	5.0	8	35.0
SMPI06020-3R3M	3.30	100KHz/1V	4.5	7	70.0
SMPI06020-4R7M	4.70	100KHz/1V	3.5	6	73.0
SMPI06020-6R8M	6.80	100KHz/1V	2.5	4	122

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.