

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

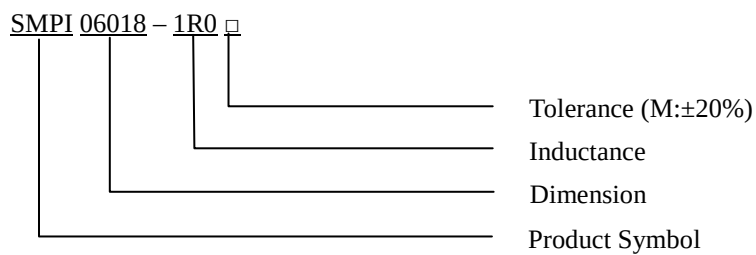
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

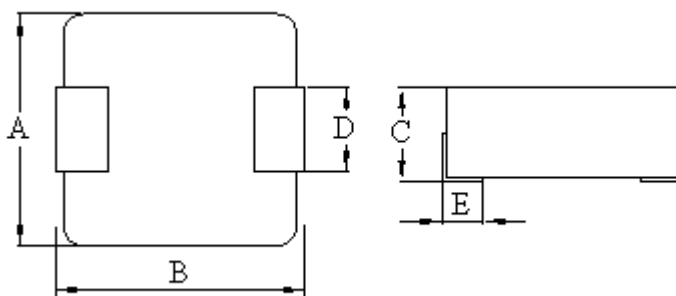
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



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 ± 0.5	m/m
E	1.6 ± 0.5	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 06018

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
SMPI06018-1R0M	1.00	100KHz/0.1V	25	14
SMPI06018-1R5M	1.50	100KHz/0.1V	36	12
SMPI06018-2R2M	2.20	100KHz/0.1V	46	11
SMPI06018-3R3M	3.30	100KHz/0.1V	80	8.0
SMPI06018-4R7M	4.70	100KHz/0.1V	100	5.0
SMPI06018-5R6M	5.60	100KHz/0.1V	120	3.8
SMPI06018-6R8M	6.80	100KHz/0.1V	140	3.5

Notes:

- 1) All test Data is referenced to 25°C ambient
- 2) Operating Temperature Range: -40°C to +125°C