

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

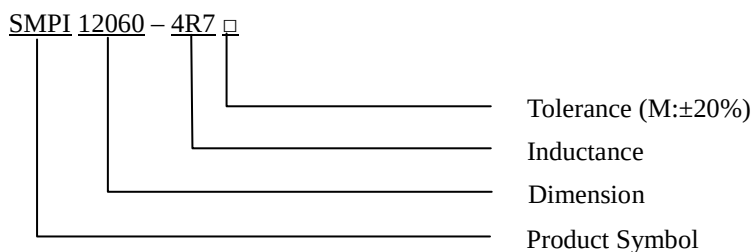
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

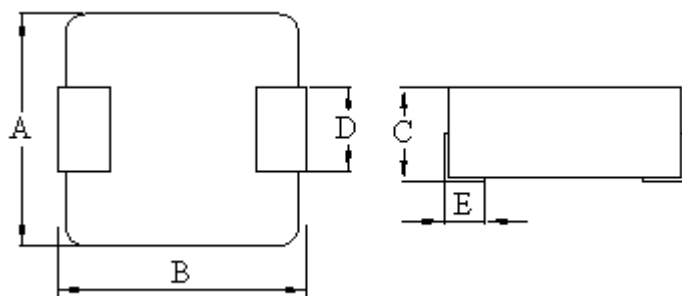
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	12.8 ± 0.5	m/m
B	13.5 ± 1.0	m/m
C	6.0 (MAX)	m/m
D	3.8 (REF)	m/m
E	2.5 (REF)	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 12060

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI12060-4R7M	4.7	100KHz/1V	9.50	25.0
SMPI12060-5R6M	5.6	100KHz/1V	10.0	20.0
SMPI12060-6R8M	6.8	100KHz/1V	11.0	18.5
SMPI12060-8R2M	8.2	100KHz/1V	12.0	16.5

Notes:

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