

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

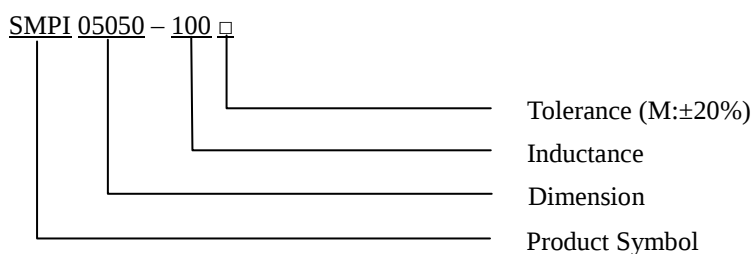
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

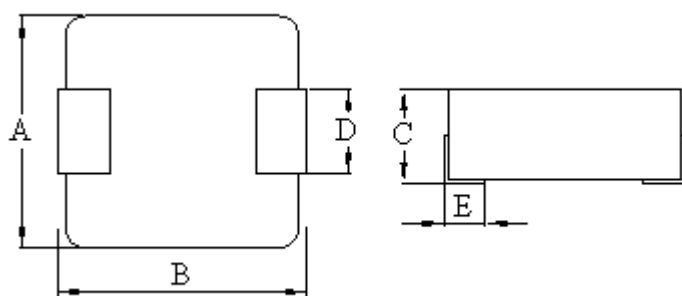
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	4.7 ± 0.3	m/m
B	5.3 ± 0.4	m/m
C	5.0 (MAX)	m/m
D	2.0 ± 0.5	m/m
E	1.0 ± 0.5	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 05050

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI05050-100M	10.0	100KHz/0.1V	103.0	4.5
SMPI05050-150M	15.0	100KHz/0.1V	180.0	4.0
SMPI05050-220M	22.0	100KHz/0.1V	230.0	2.5

Notes:

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