

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

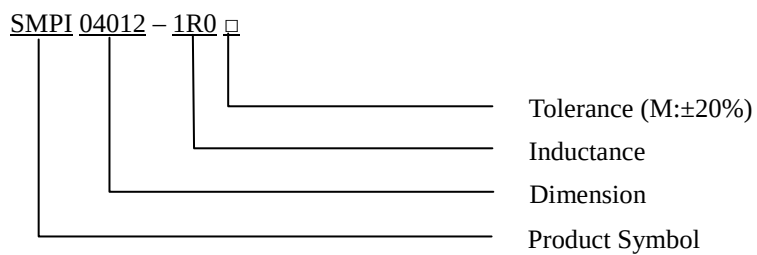
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

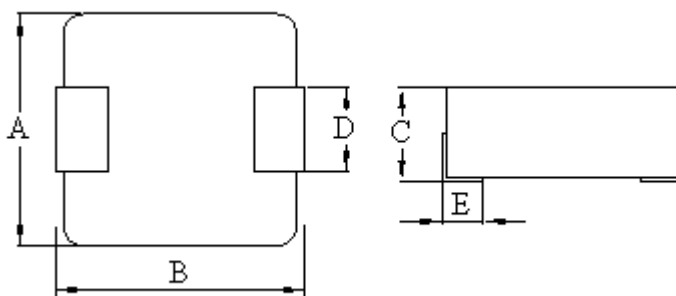
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	4.0 ± 0.3	m/m
B	4.5 ± 0.3	m/m
C	1.2 (MAX)	m/m
D	1.5 ± 0.3	m/m
E	0.8 ± 0.3	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 04012

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
SMPI04012-R47M	0.47	100KHz/0.1V	30	6.0
SMPI04012-R68M	0.68	100KHz/0.1V	41	5.5
SMPI04012-1R0M	1.00	100KHz/0.1V	79	5.0
SMPI04012-1R5M	1.50	100KHz/0.1V	80	3.5
SMPI04012-2R2M	2.20	100KHz/0.1V	110	3.0

Notes:

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