

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

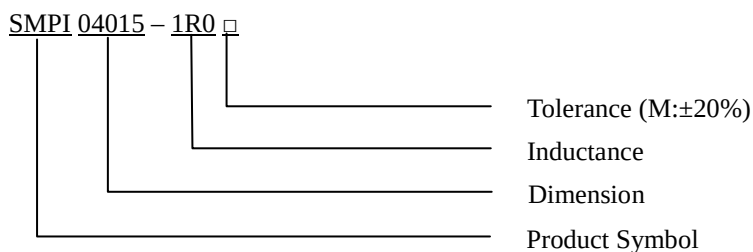
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

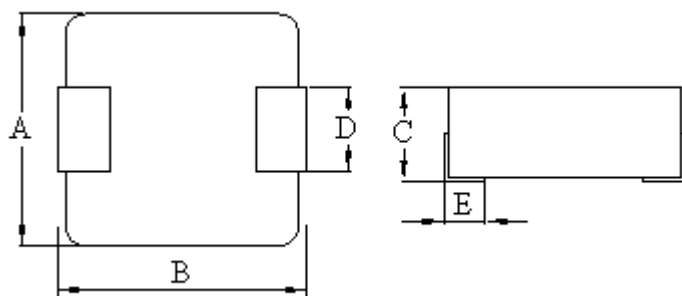
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	4.0 ± 0.3	m/m
B	4.5 ± 0.3	m/m
C	1.5 (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 04015

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI04015-R47M	0.47	100KHz/0.1V	27.0	9.0
SMPI04015-1R0M	1.00	100KHz/0.1V	50.0	6.0
SMPI04015-1R5M	1.50	100KHz/0.1V	63.0	5.5
SMPI04015-2R2M	2.20	100KHz/0.1V	86.0	4.0
SMPI04015-3R3M	3.30	100KHz/0.1V	156.0	3.5

Notes:

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