

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

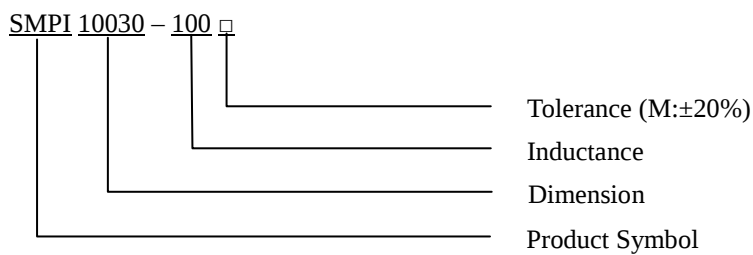
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.

APPLICATIONS

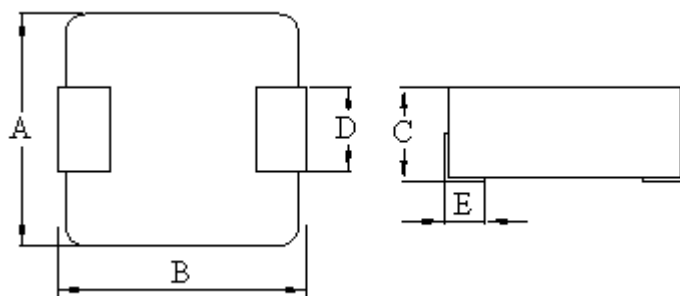
- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).



ORDERING CODE



DIMENSIONS UNIT: mm



A	10.0 ± 0.5	m/m
B	11.5 ± 1.0	m/m
C	3.0 (MAX)	m/m
D	3.0 ± 0.5	m/m
E	2.2 ± 0.5	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 10030

Part No.	Inductance (uH)	Test Frequency (KHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10030-R12M	0.12	100KHz/0.1V	0.72	62
SMPI10030-R22M	0.22	100KHz/0.1V	2.30	40
SMPI10030-R36M	0.36	100KHz/0.1V	4.00	35
SMPI10030-R56M	0.56	100KHz/0.1V	3.50	20
SMPI10030-R68M	0.68	100KHz/0.1V	3.20	30
SMPI10030-1R0M	1.00	100KHz/0.1V	6.50	16
SMPI10030-2R2M	2.20	100KHz/0.1V	15.0	15
SMPI10030-3R3M	3.30	100KHz/0.1V	22.0	10
SMPI10030-4R7M	4.70	100KHz/0.1V	28.0	8
SMPI10030-100M	10.0	100KHz/0.1V	70.0	6

Notes:

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