

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

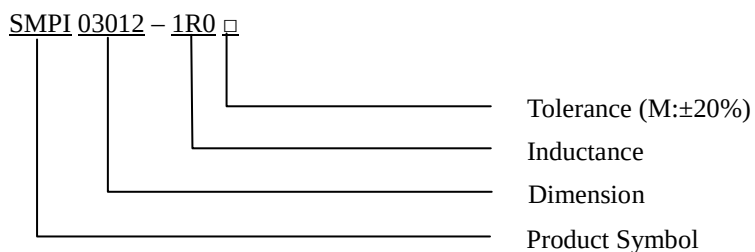
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



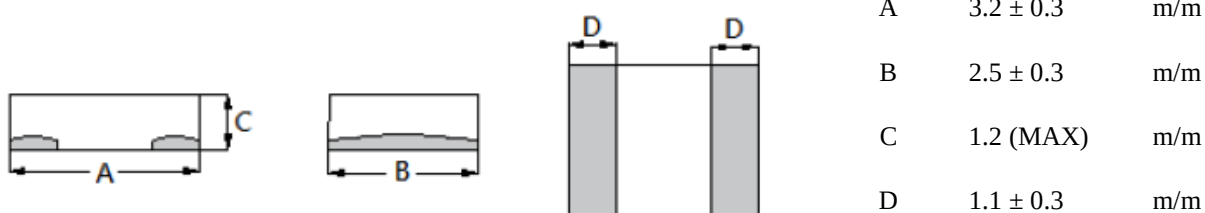
APPLICATIONS

- ◆ 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



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ELECTRICAL CHARACTERISTICS FOR SMPI 03012

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) TYP
SMPI03012-R33M	0.33	100KHz/1V	13.0	7.65
SMPI03012-R47M	0.47	100KHz/1V	19.2	6.66
SMPI03012-R68M	0.68	100KHz/1V	24.0	6.12
SMPI03012-1R0M	1.00	100KHz/1V	32.0	5.13
SMPI03012-1R5M	1.50	100KHz/1V	53.0	4.05
SMPI03012-2R2M	2.20	100KHz/1V	73.0	3.87

Notes:

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