

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

FEATURES

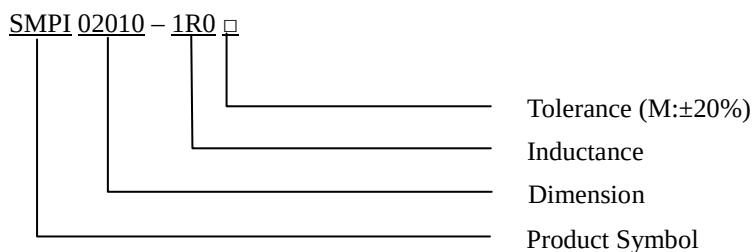
- ◆ Performance low resistance , high current rating.
- ◆ Low loss realized with low RDC.
- ◆ Low core loss.



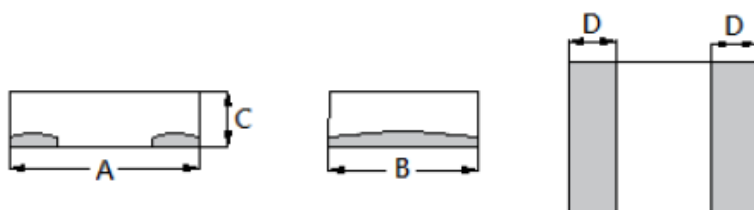
APPLICATIONS

- ◆ 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	2.0 ± 0.3	m/m
B	1.6 ± 0.3	m/m
C	0.8 ± 0.2	m/m
D	0.7 ± 0.3	m/m

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ELECTRICAL CHARACTERISTICS FOR SMPI 02010

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) TYP
SMPI02010-R24M	0.24	100KHz/1V	20.5	7.70
SMPI02010-R33M	0.33	100KHz/1V	26	7.00
SMPI02010-R47M	0.47	100KHz/1V	32	6.00
SMPI02010-R68M	0.68	100KHz/1V	50	5.00
SMPI02010-1R0M	1.00	100KHz/1V	59	4.40
SMPI02010-1R5M	1.50	100KHz/1V	96	3.00
SMPI02010-2R2M	2.20	100KHz/1V	150	2.65

Notes:

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